

Fig.1A

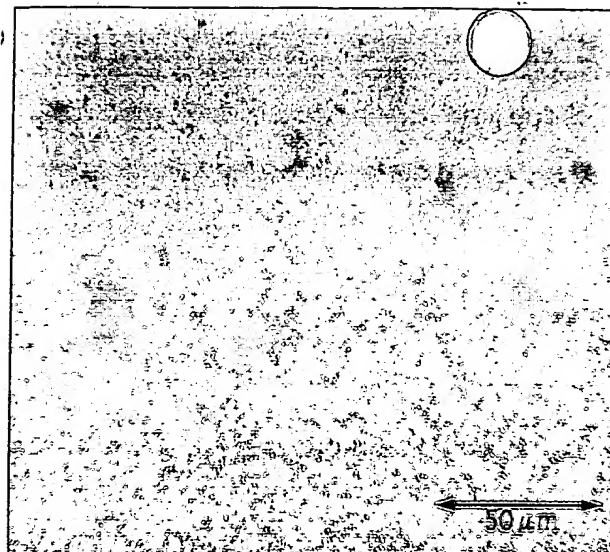


Fig.1B

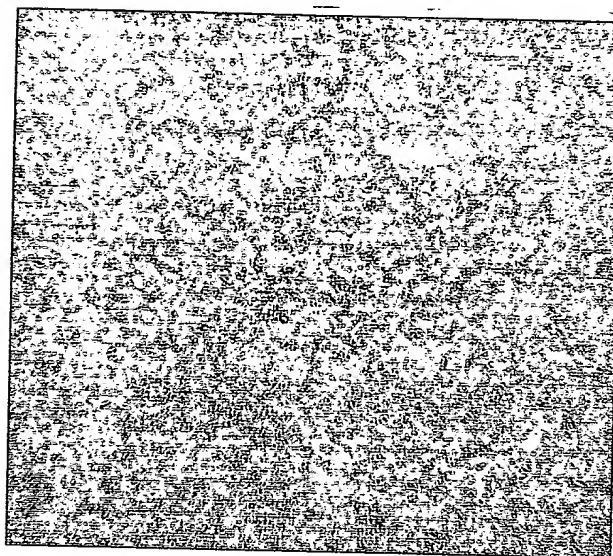
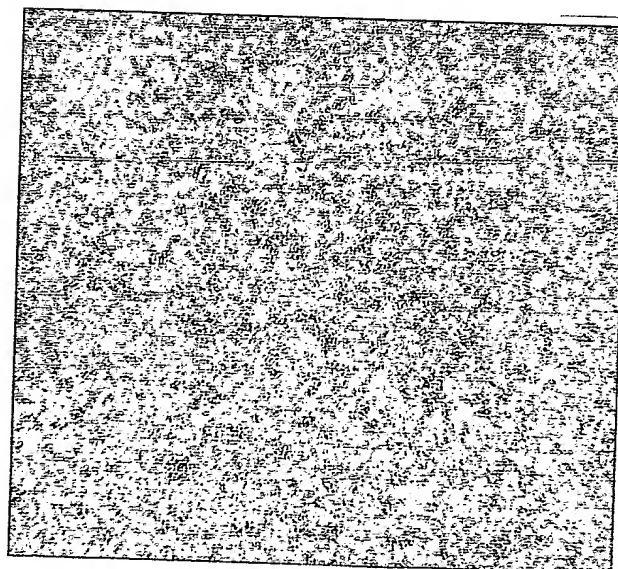


Fig.1C



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Fig.2A

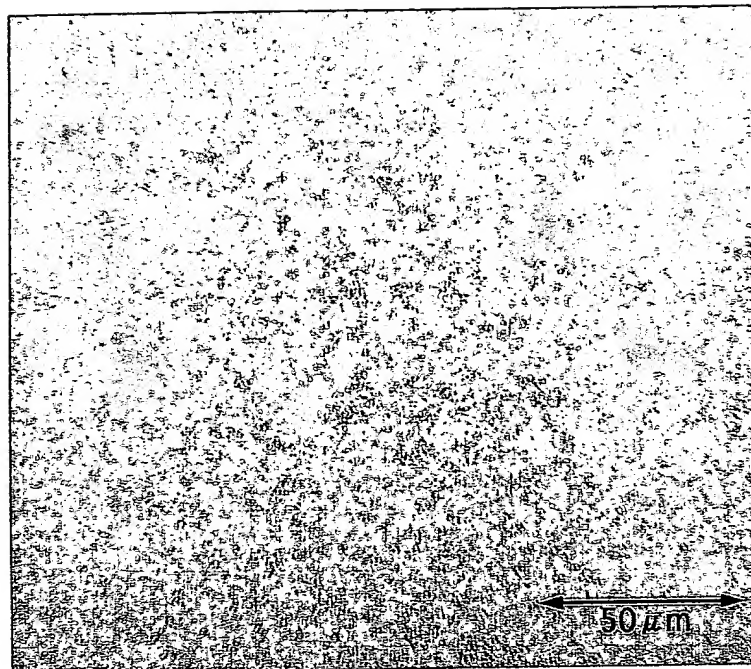


Fig.2B

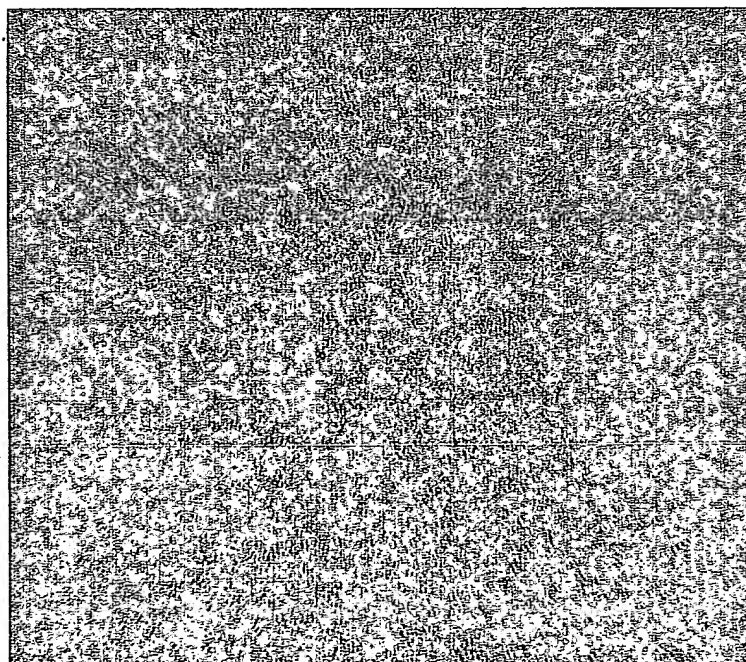


Fig.3A

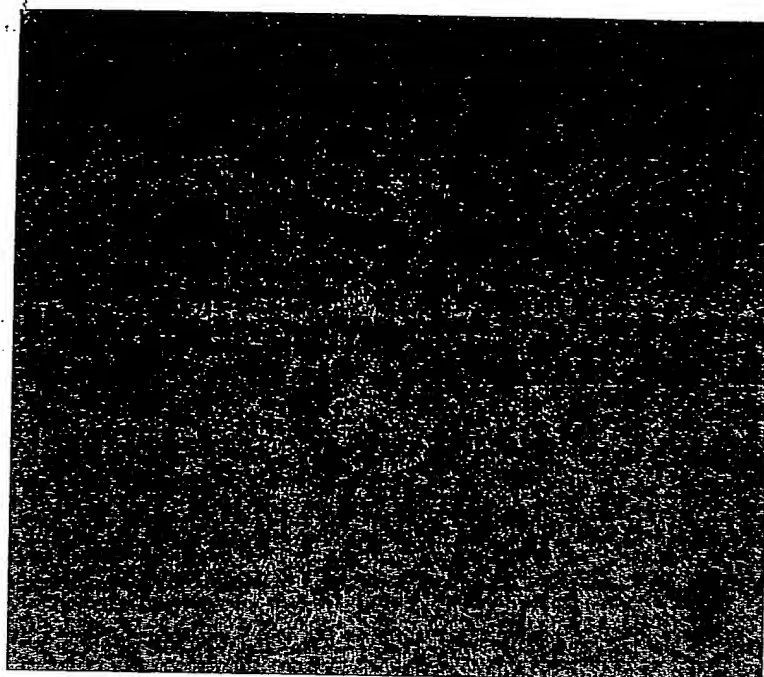
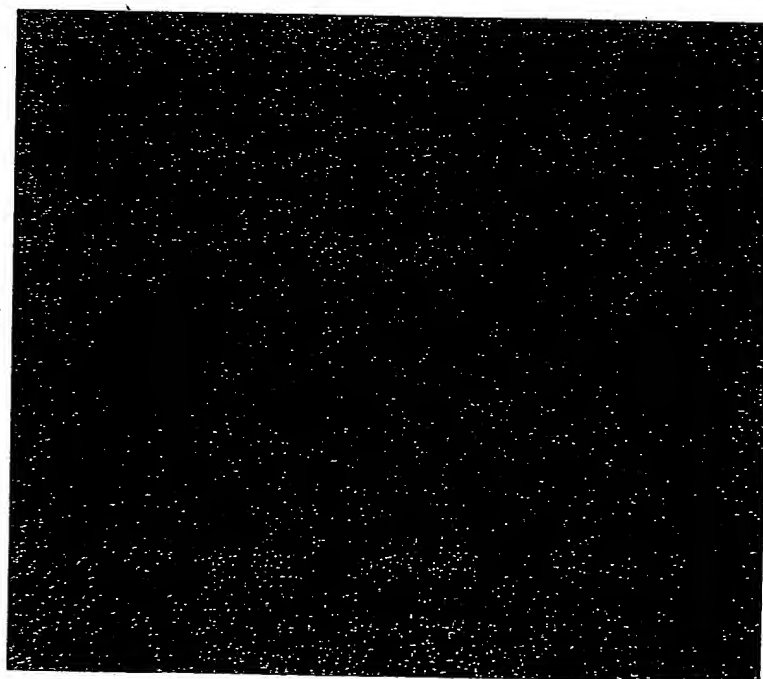


Fig.3B



100000x

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$

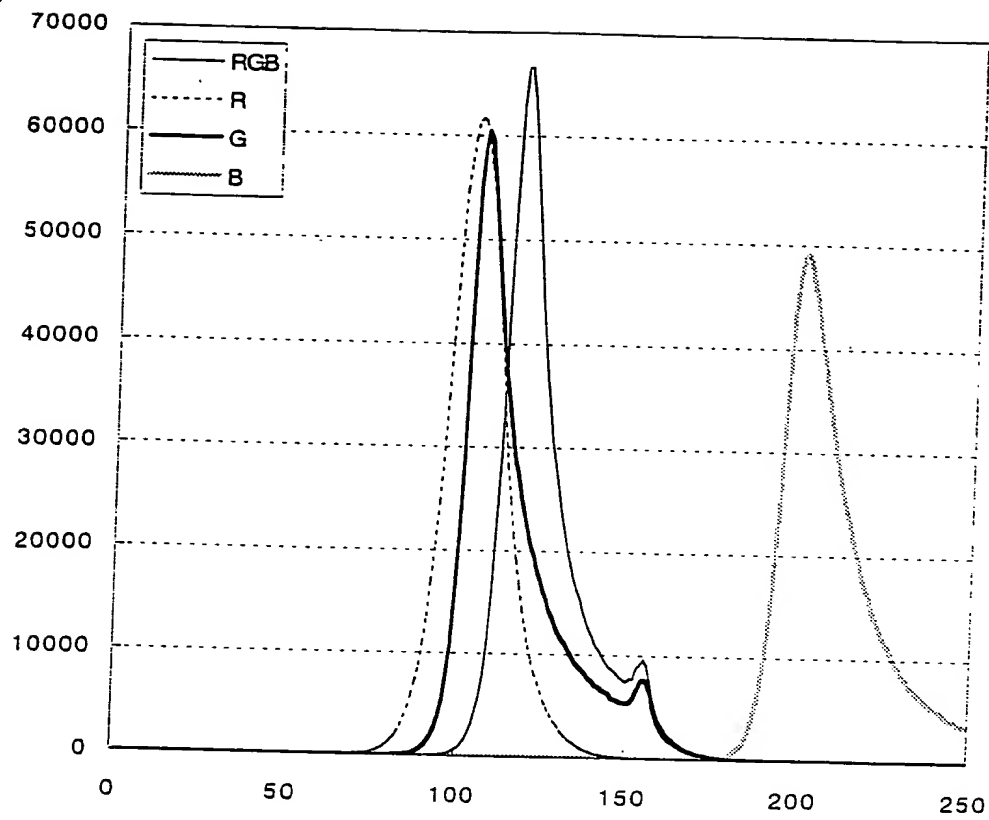


Fig.5A

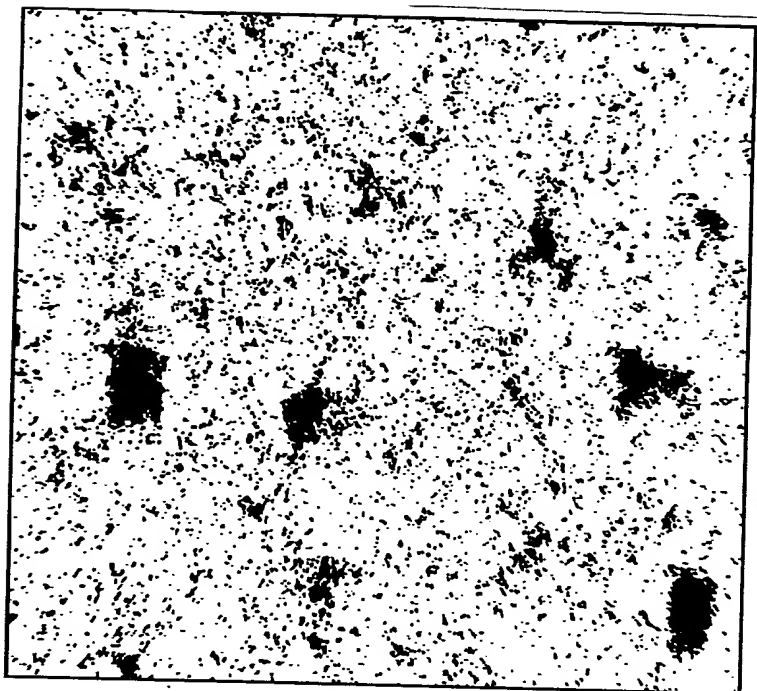
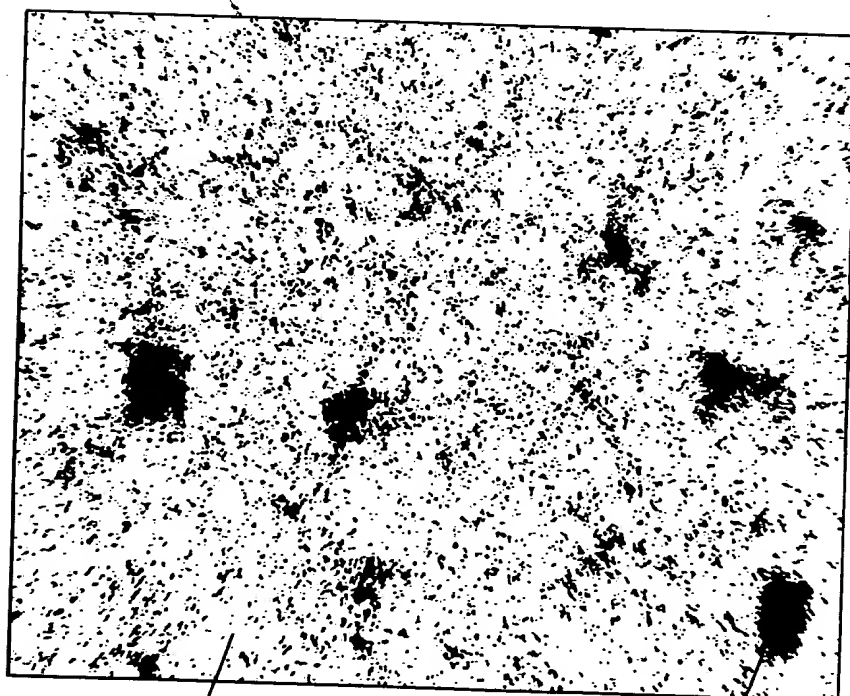


Fig.5B



5001

5002

Fig. 6A

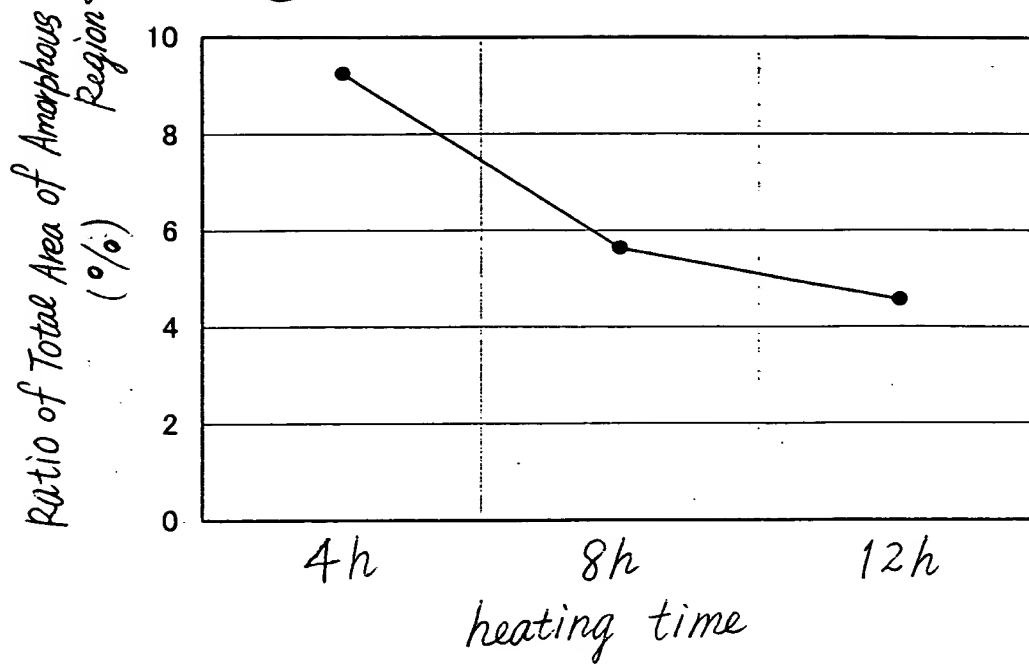


Fig. 6B

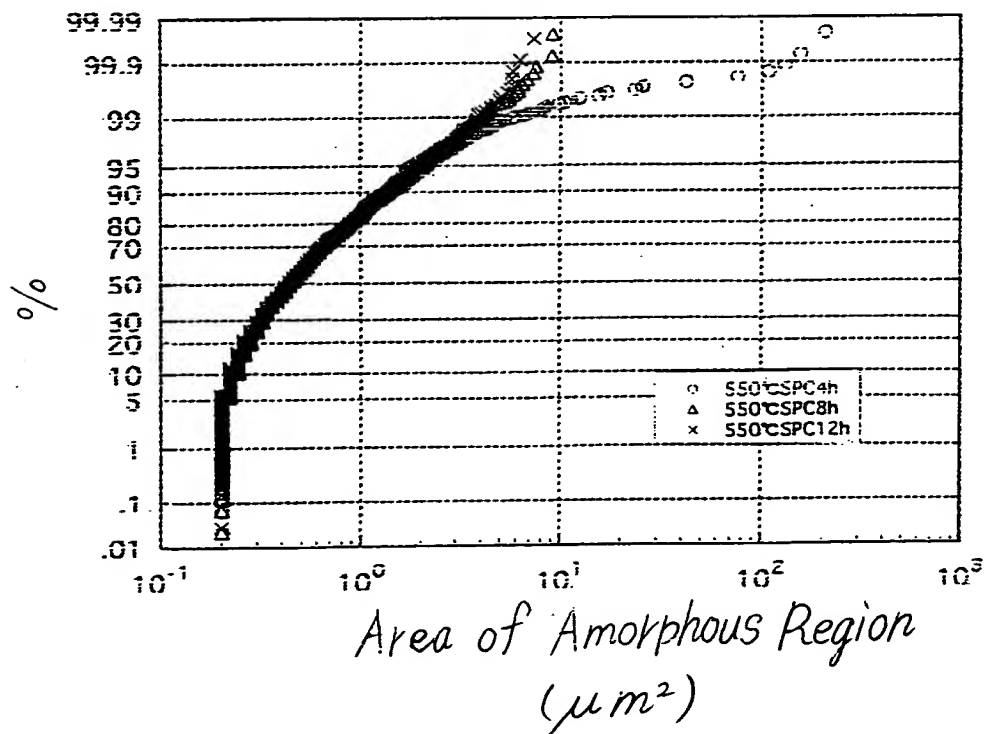


Fig. 7A

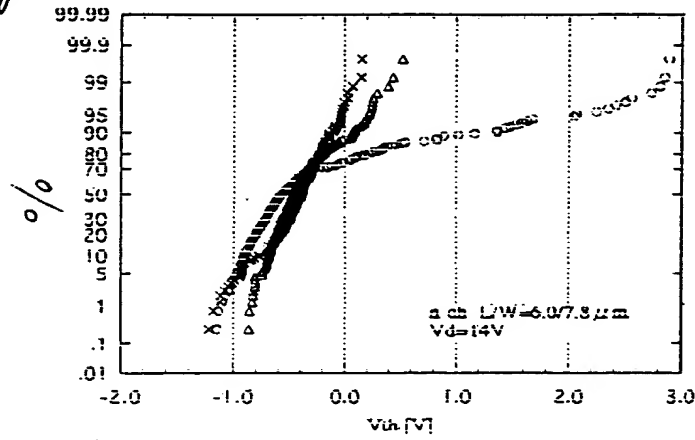


Fig. 7B

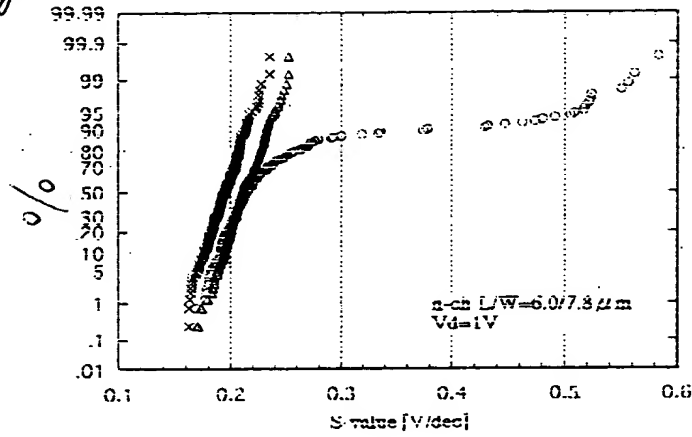


Fig. 7C

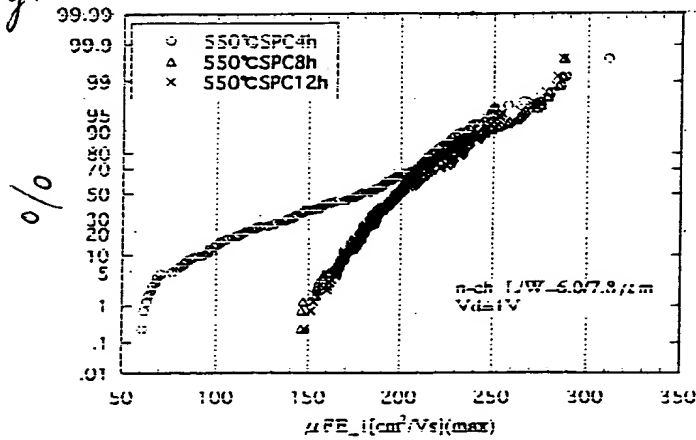


Fig.8A

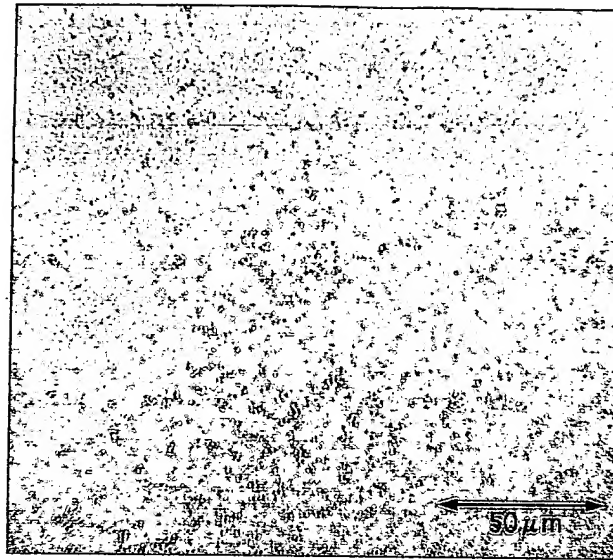


Fig.8B

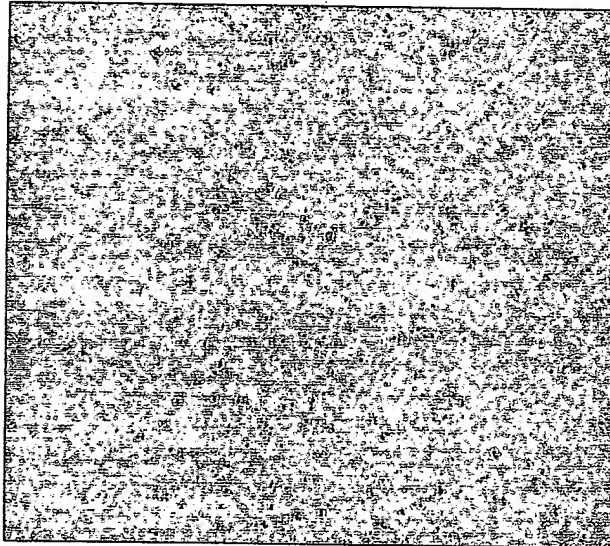
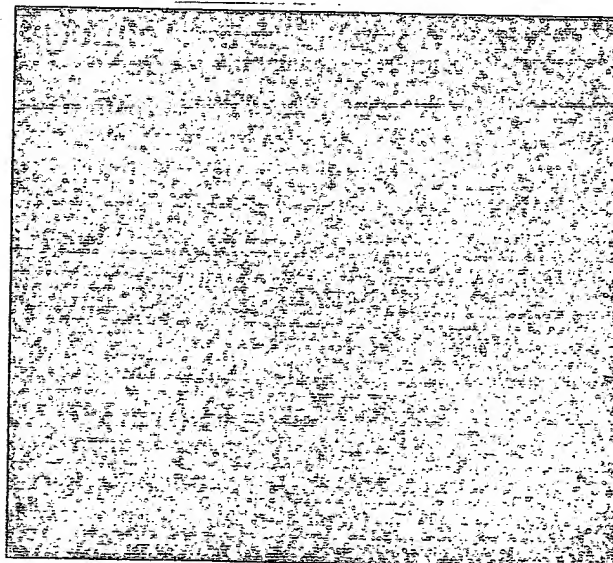


Fig.8C



1400-00000

Fig. 9A

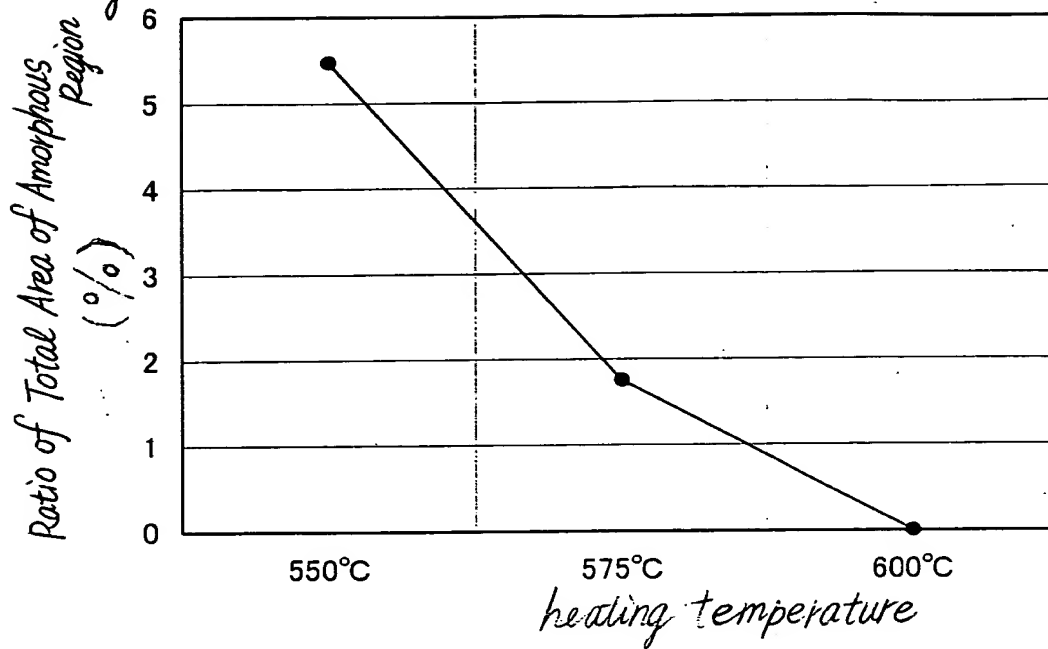


Fig. 9B

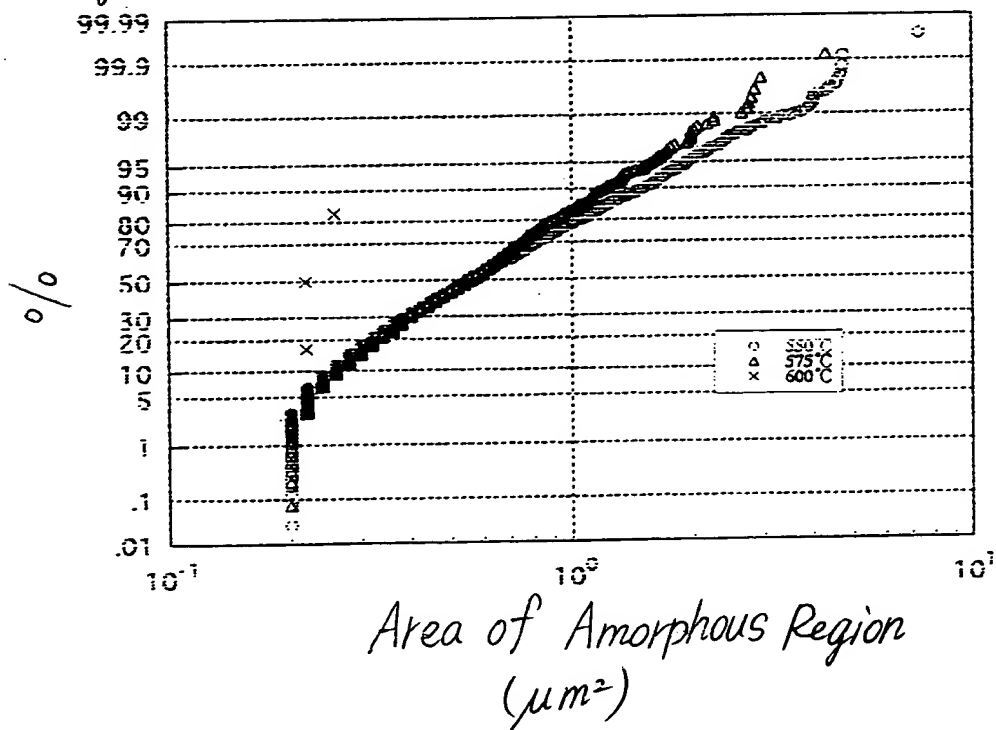


Fig.10A

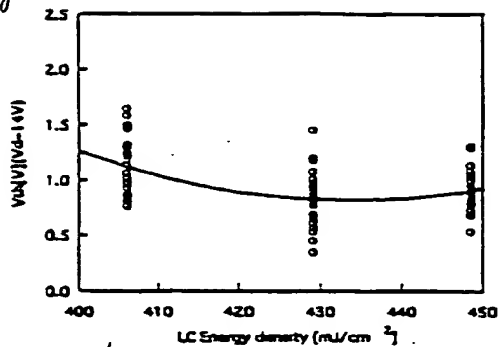


Fig.10E

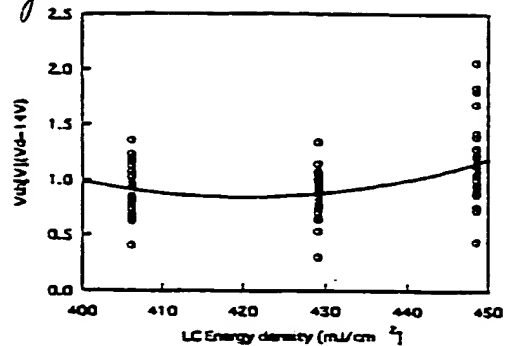


Fig.10B

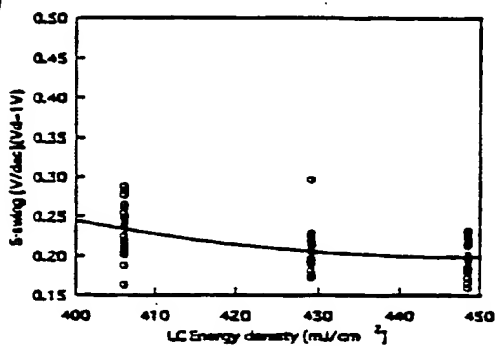


Fig.10F

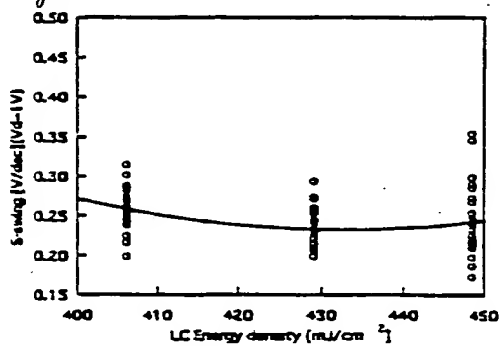


Fig.10C

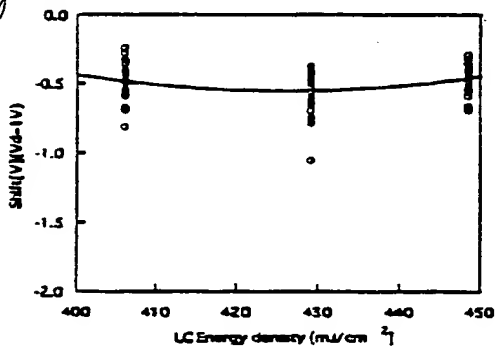


Fig.10G

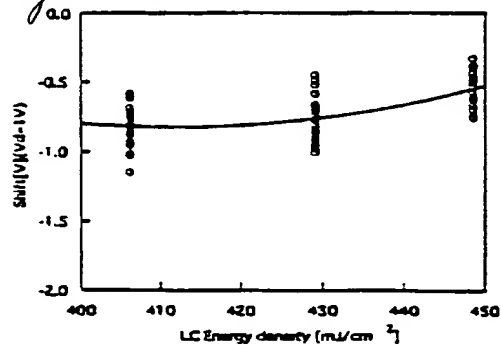


Fig.10D

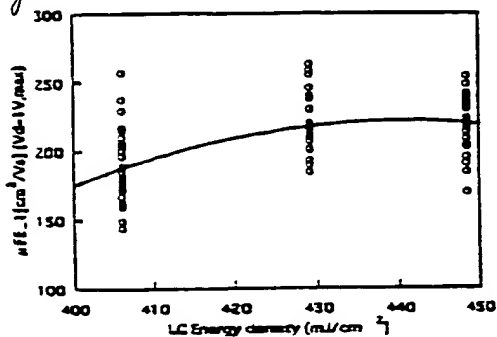


Fig.10H

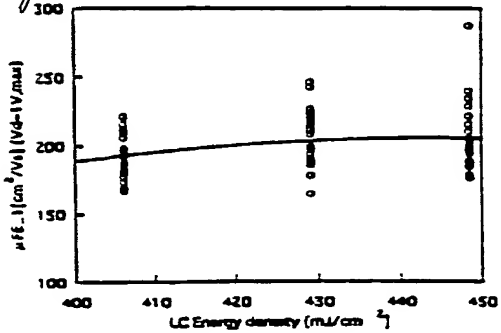


Fig. 11A

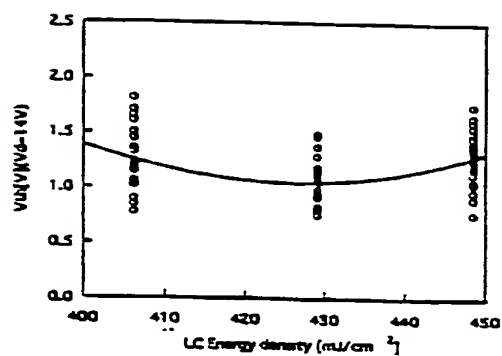


Fig. 11B

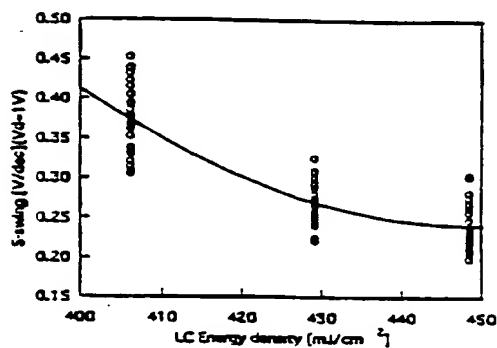


Fig. 11C

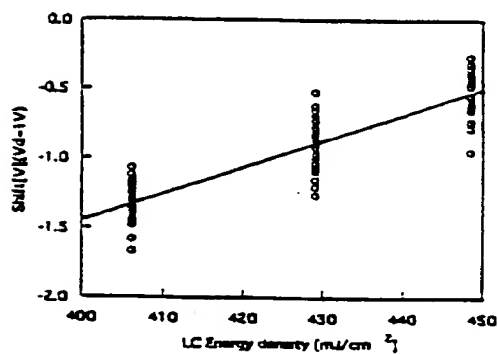


Fig. 11D

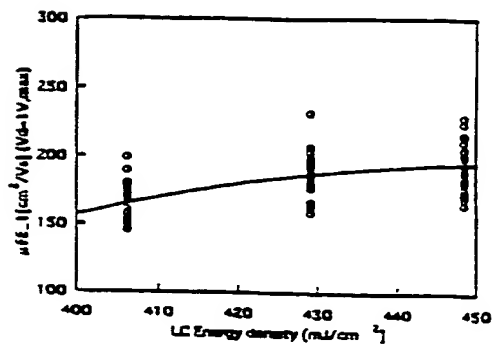


Fig. 12

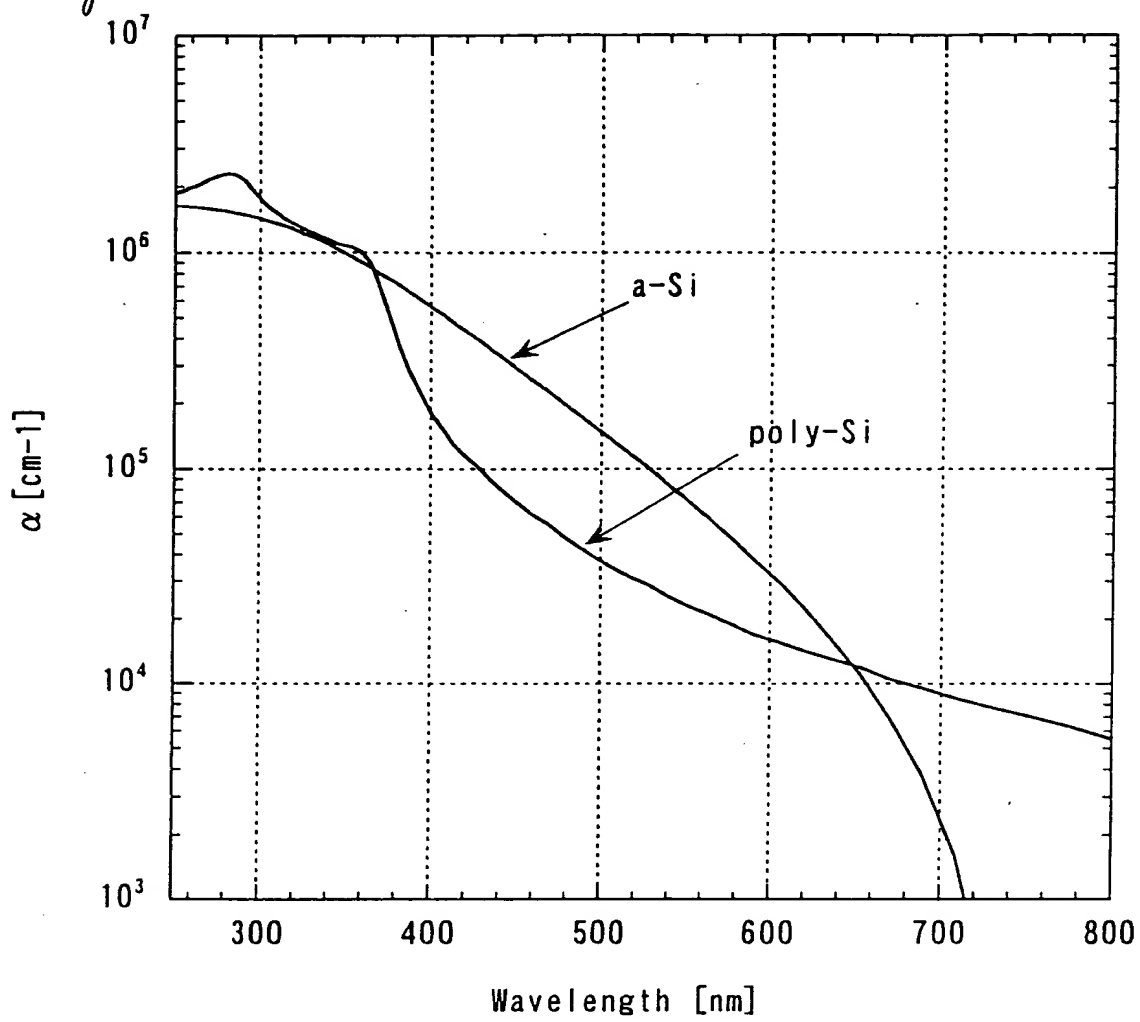
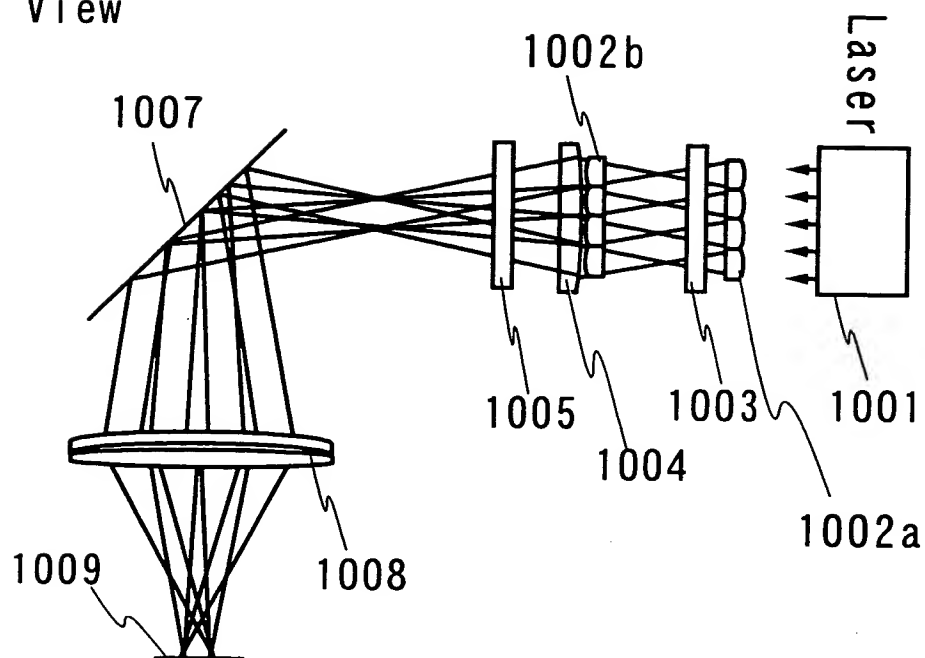
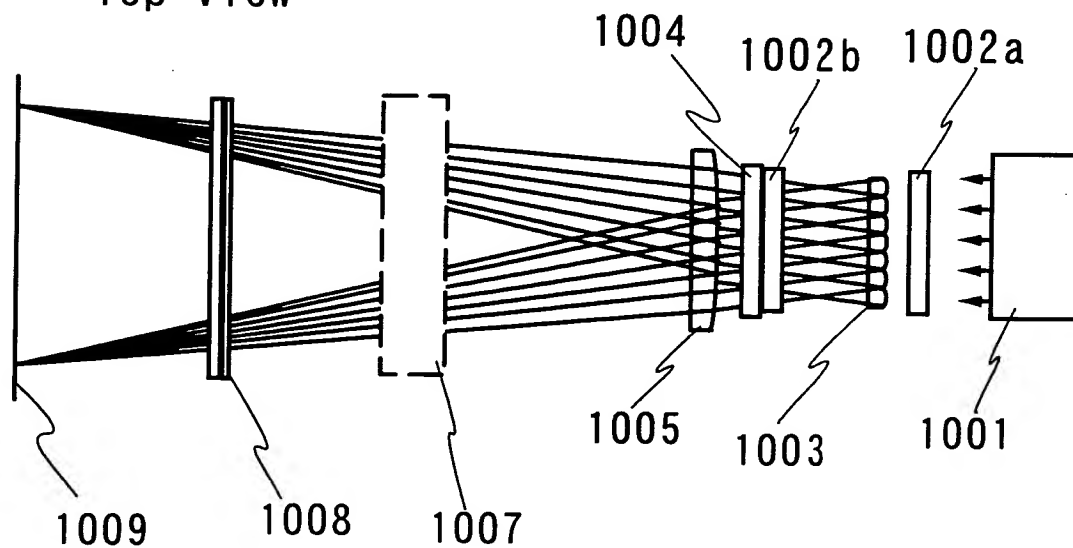


Fig.13

Side View



Top View



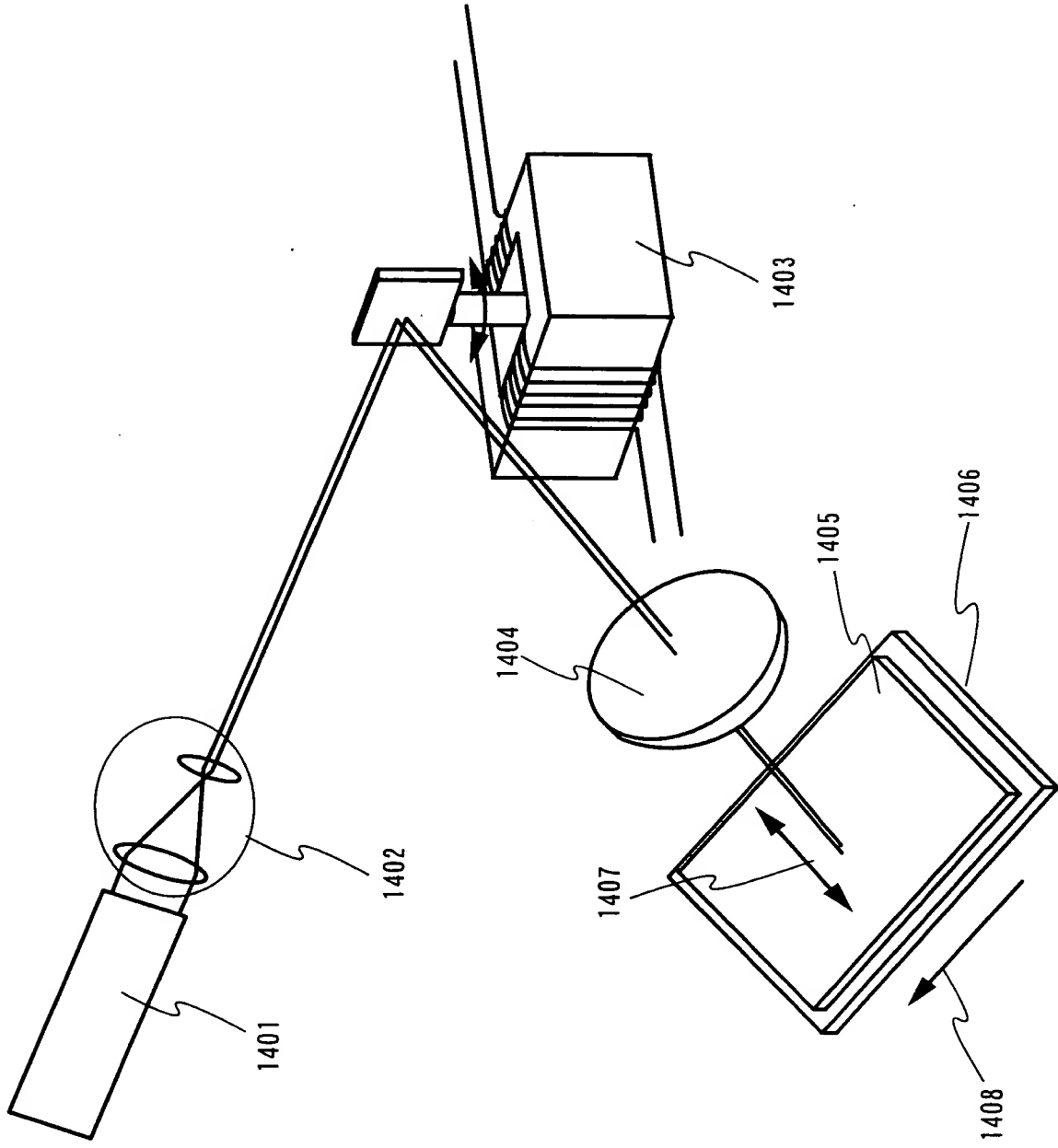


Fig.15A

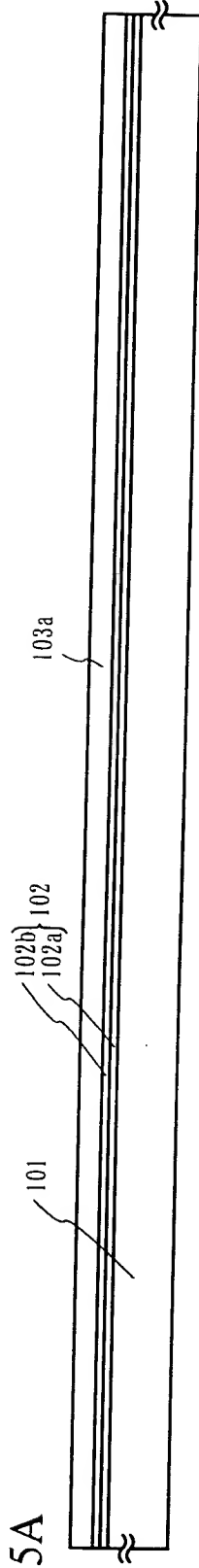


Fig.15B

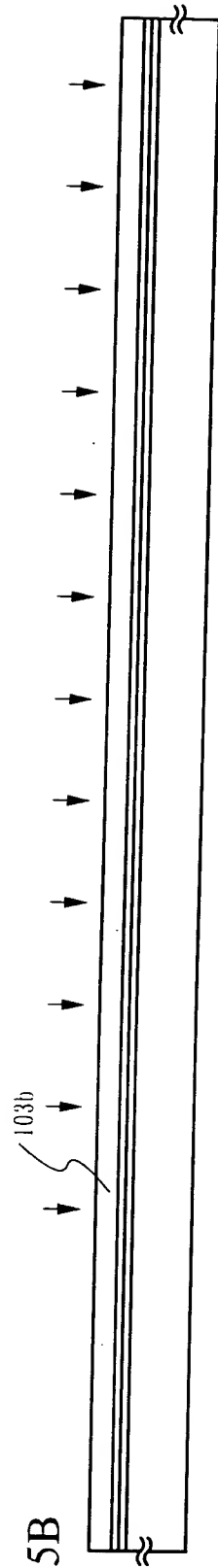


Fig.15C

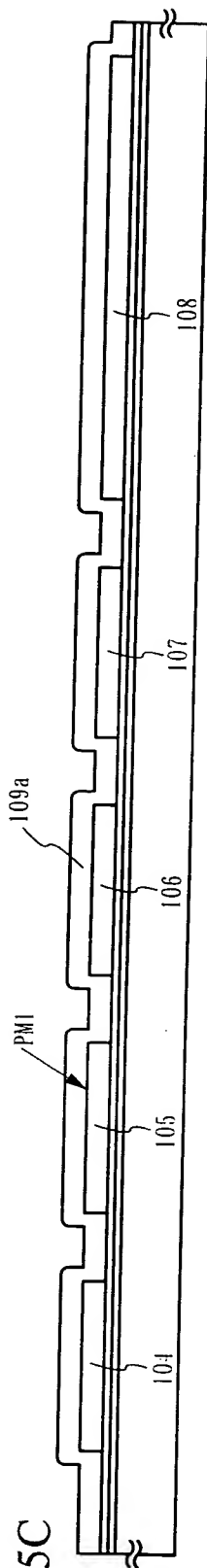
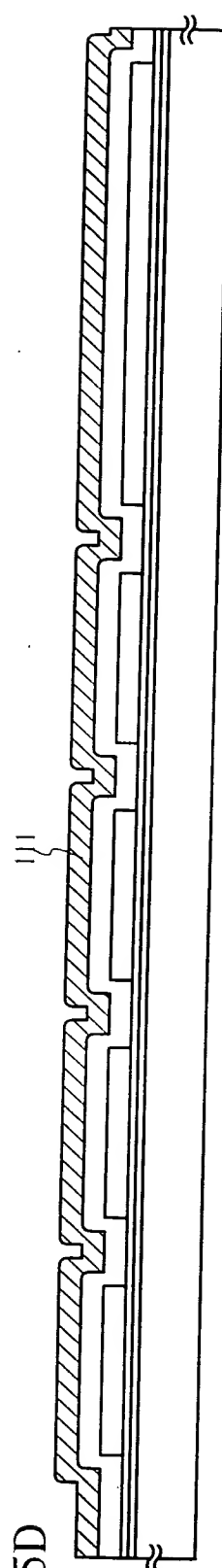


Fig.15D



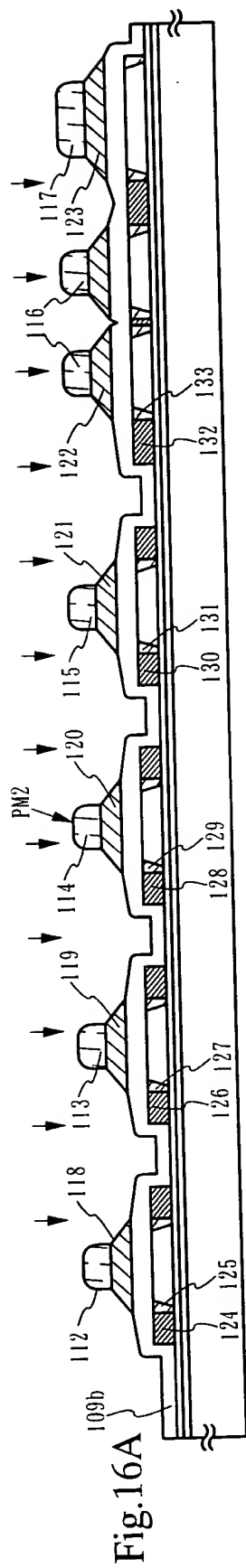


Fig. 16A

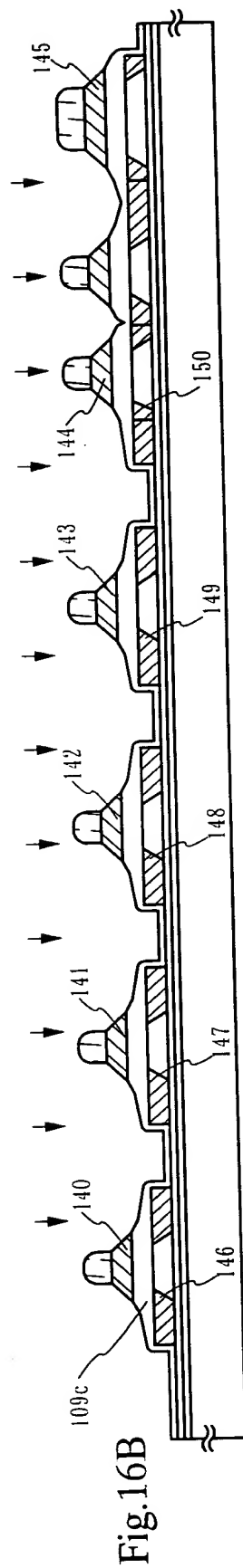


Fig. 16B

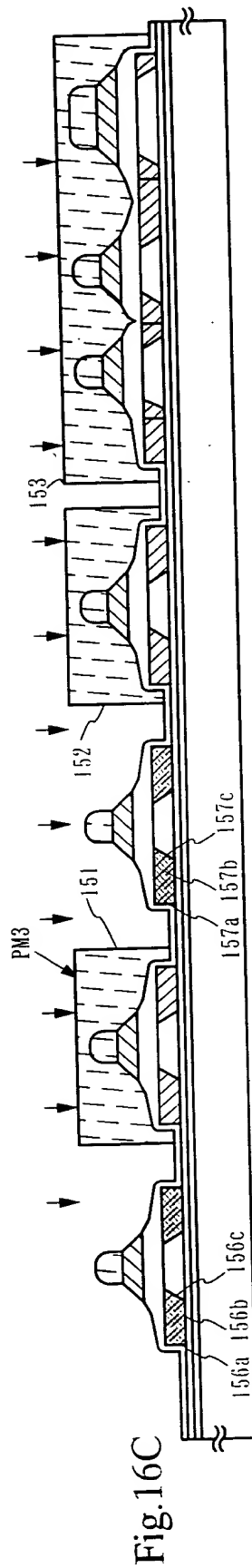


Fig. 16C

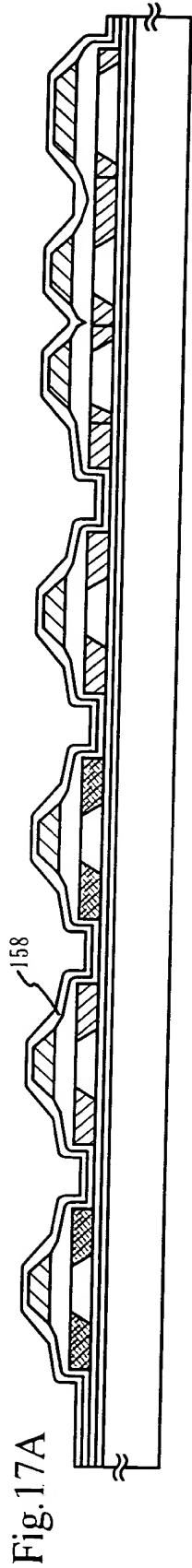
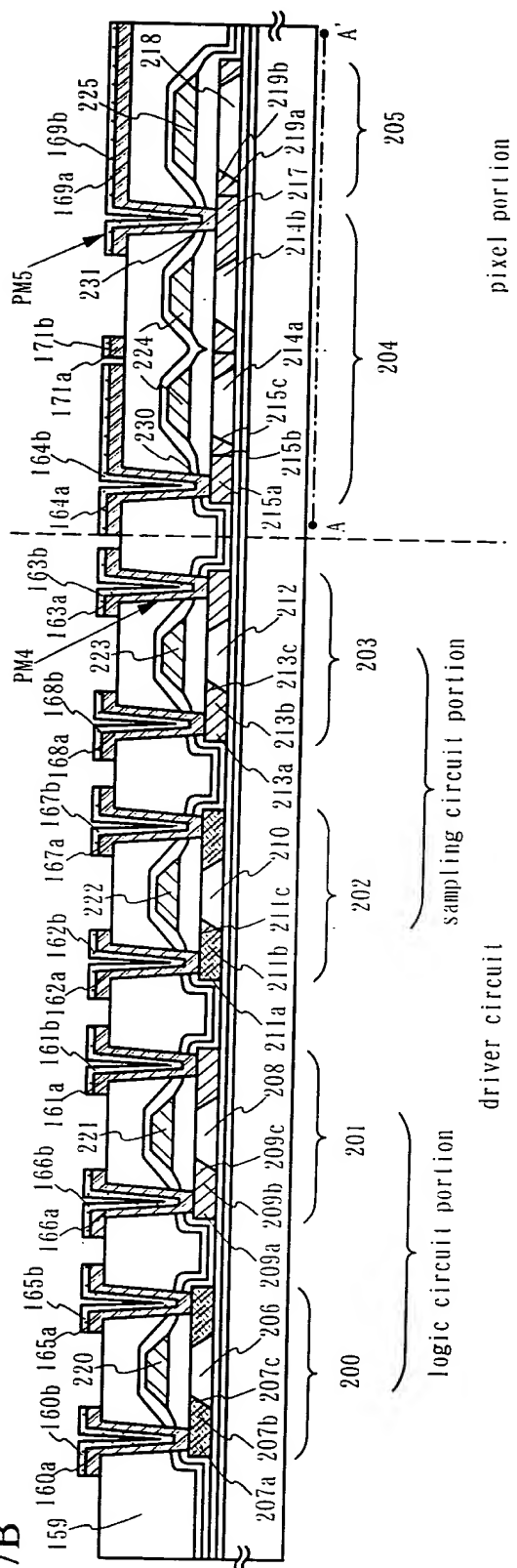


Fig. 17B



pixel portion

driver circuit

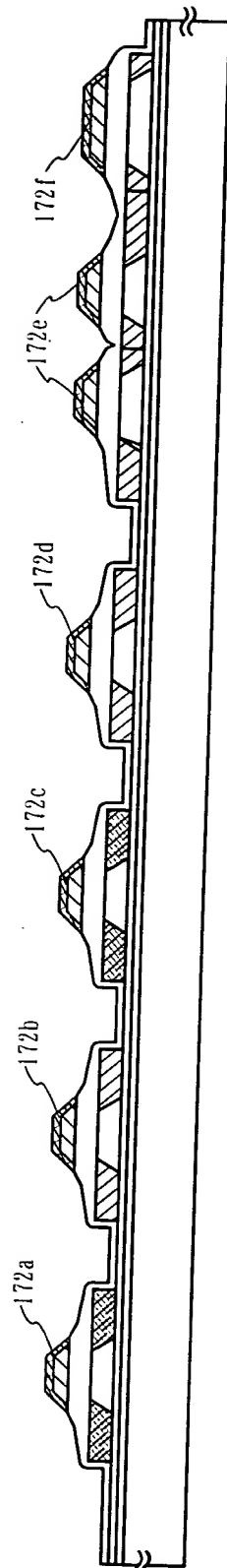


Fig. 18A

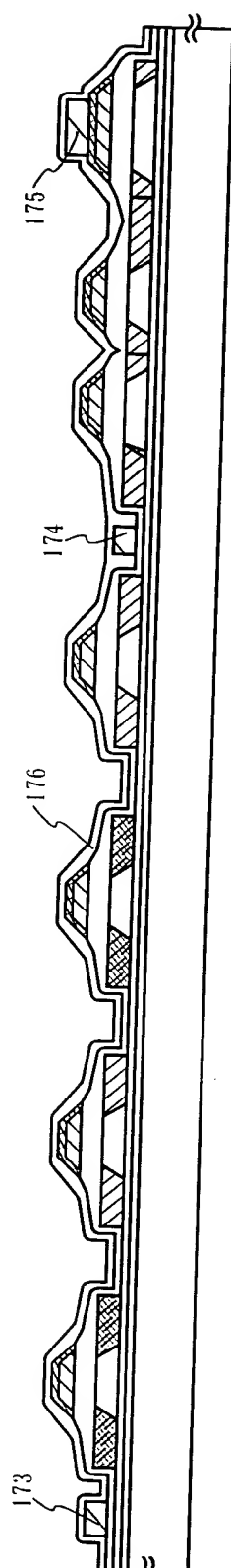


Fig. 18B

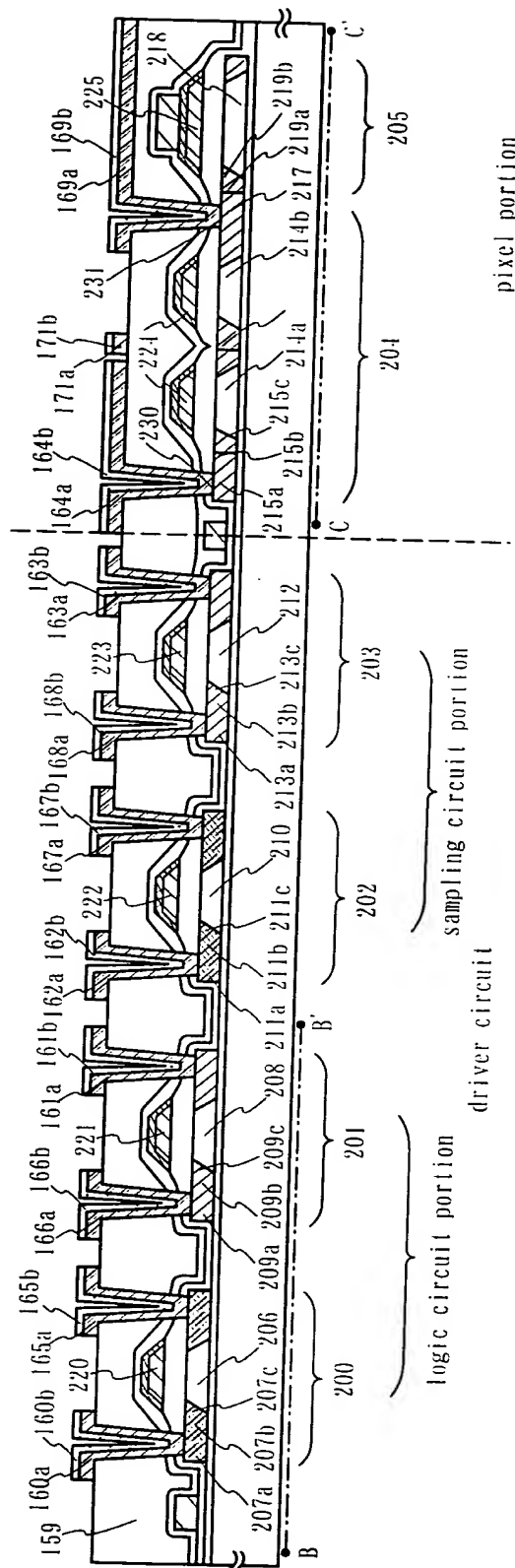


Fig. 18C

logic circuit portion sampling circuit portion driver circuit

pixel portion

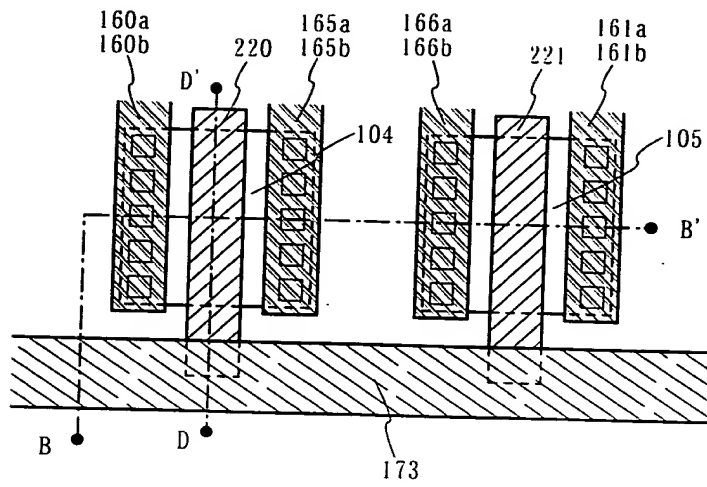


Fig.19A

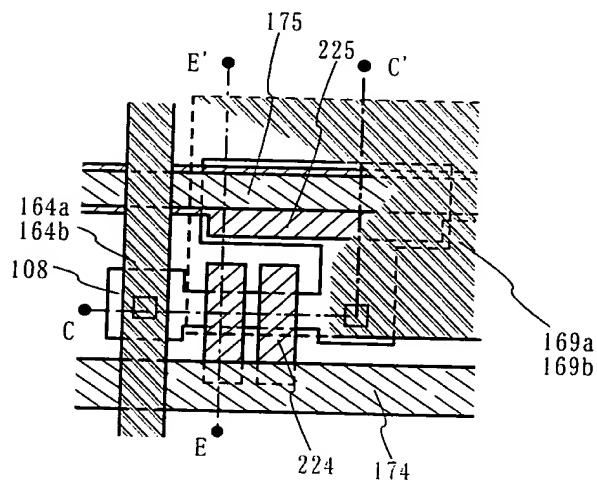


Fig.19B

Fig.20A

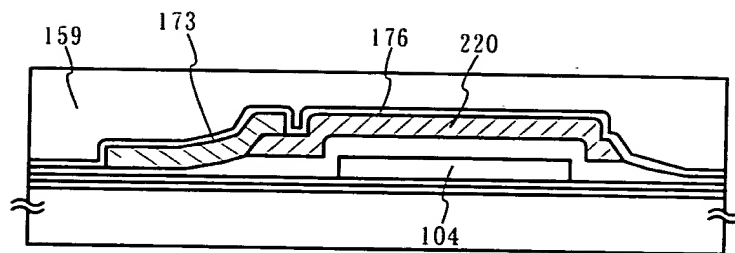


Fig.20B

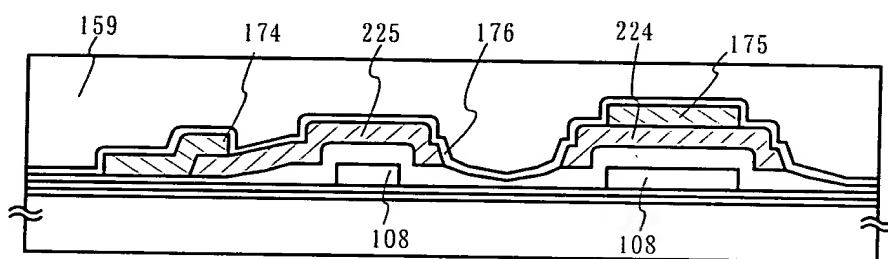


FIG. 20A

Fig.21A

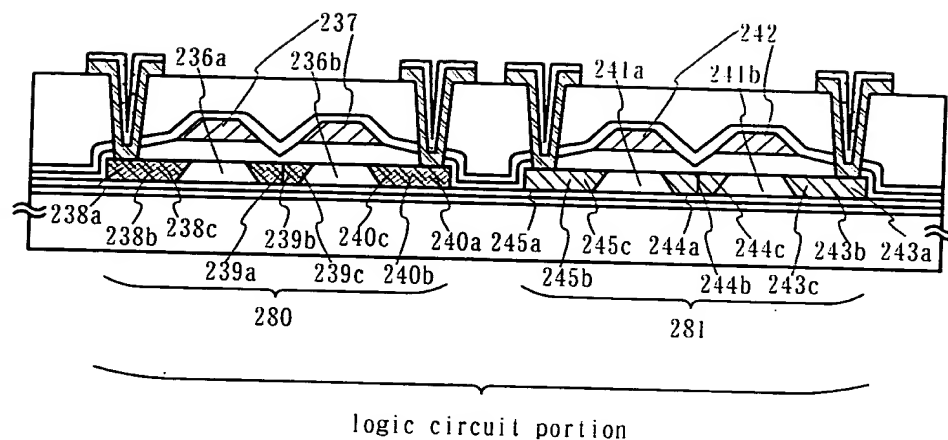
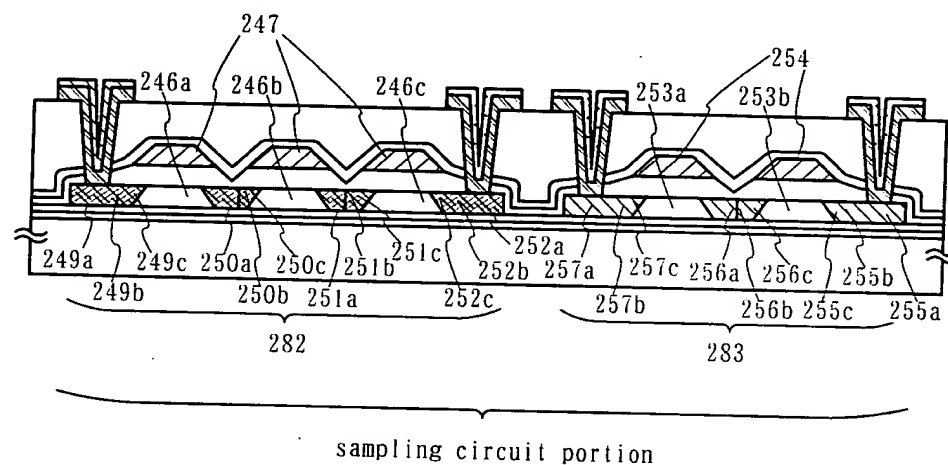


Fig.21B



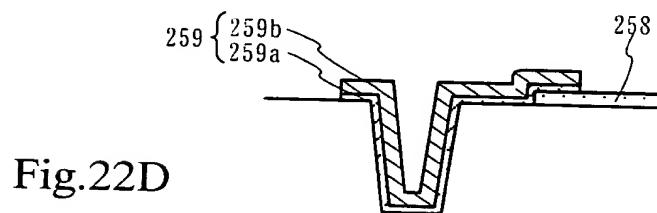
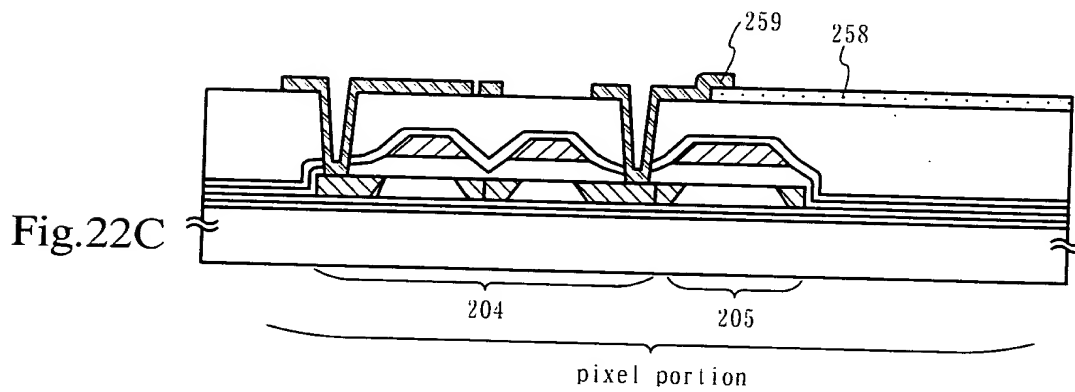
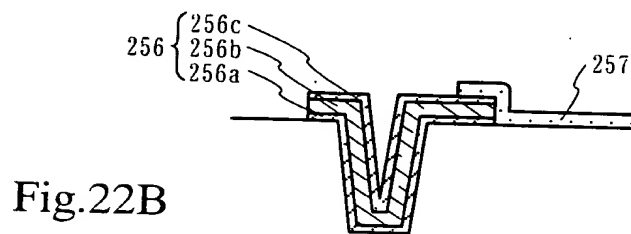
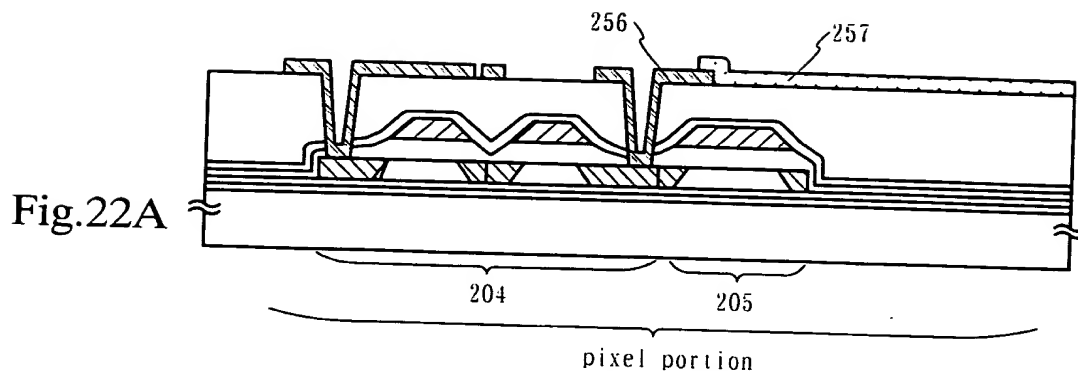


Fig.23

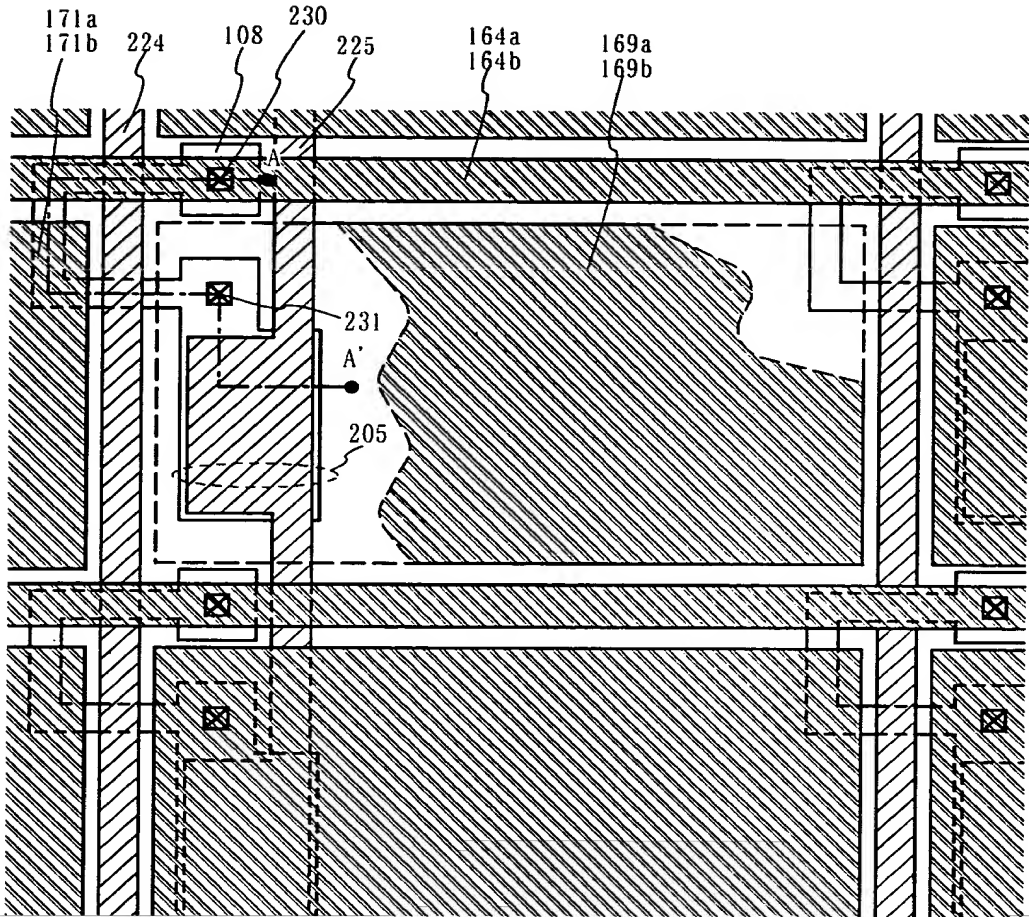


FIG. 23

Fig.24A

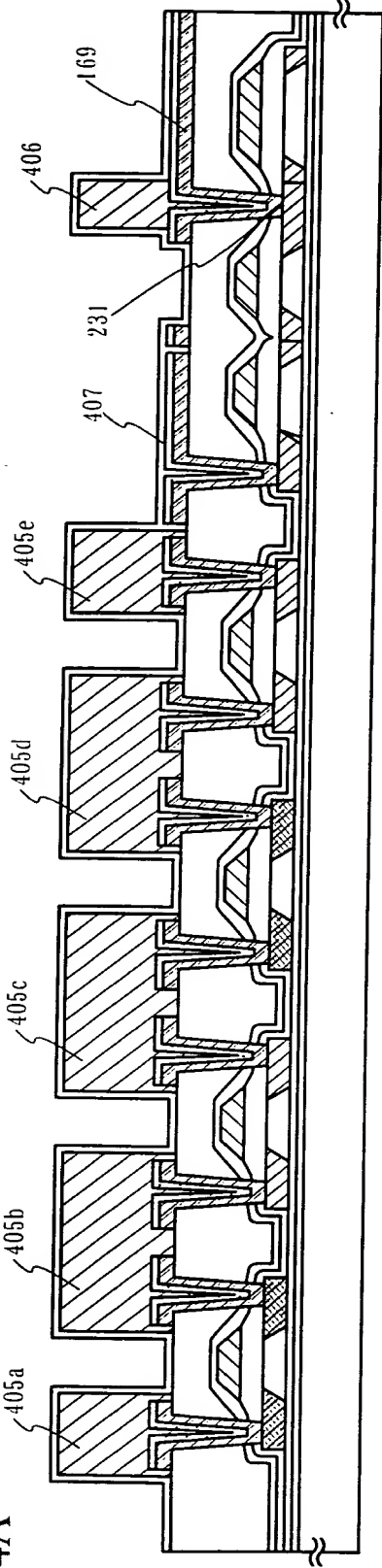
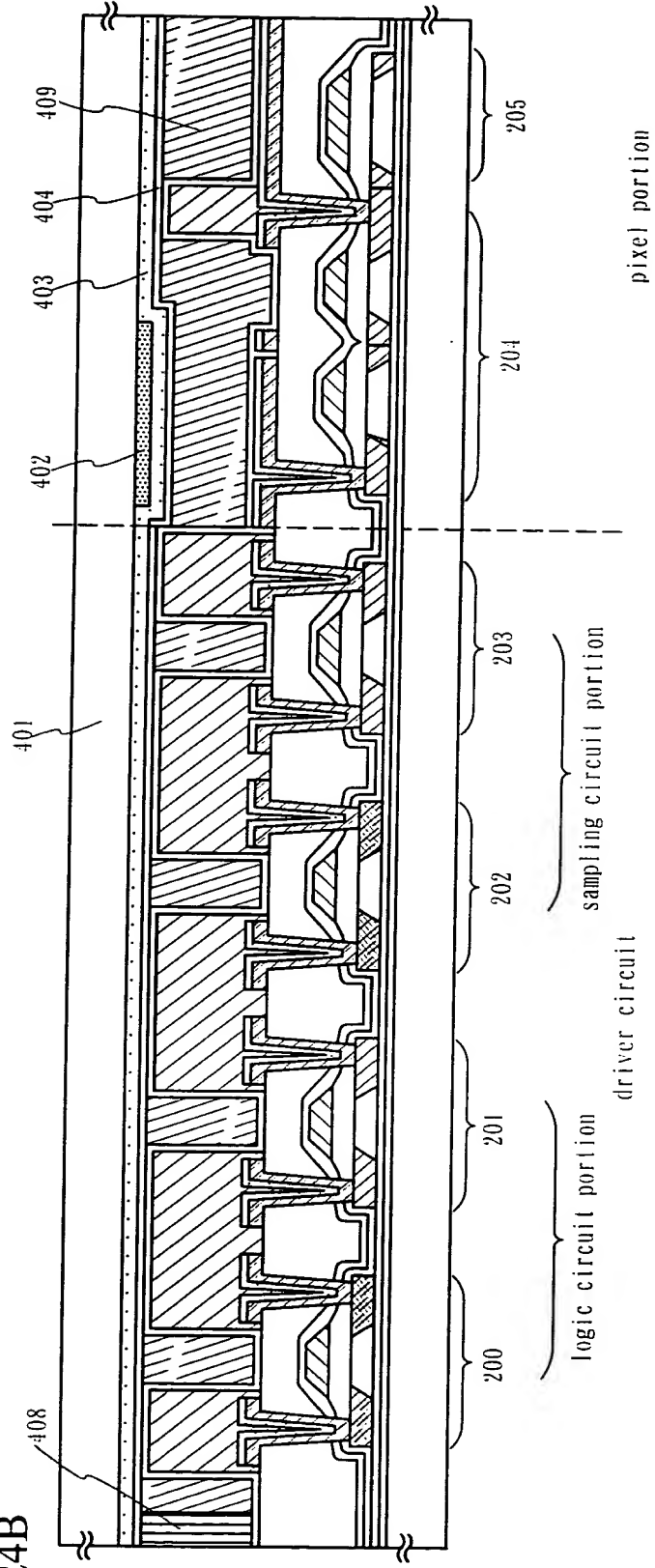


Fig.24B



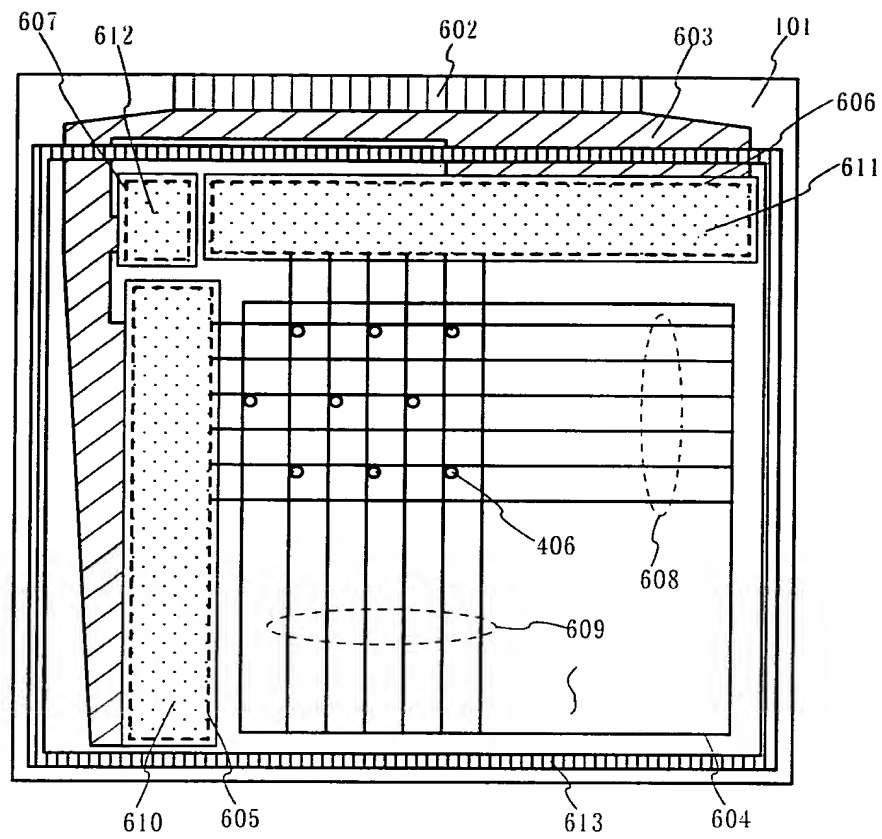
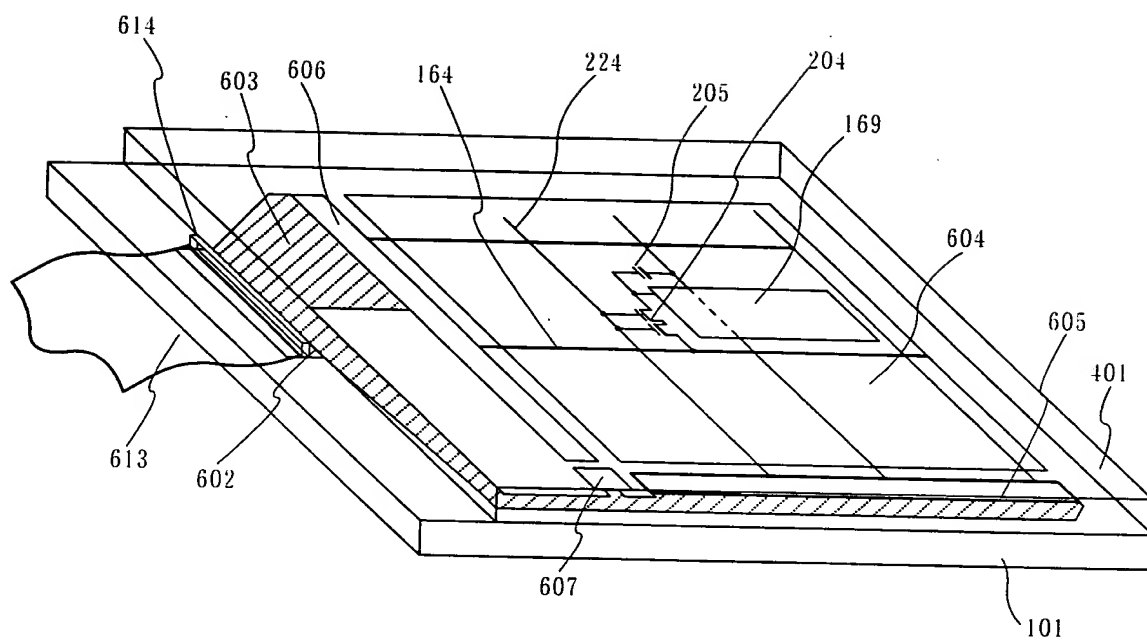


Fig.25

Fig. 26



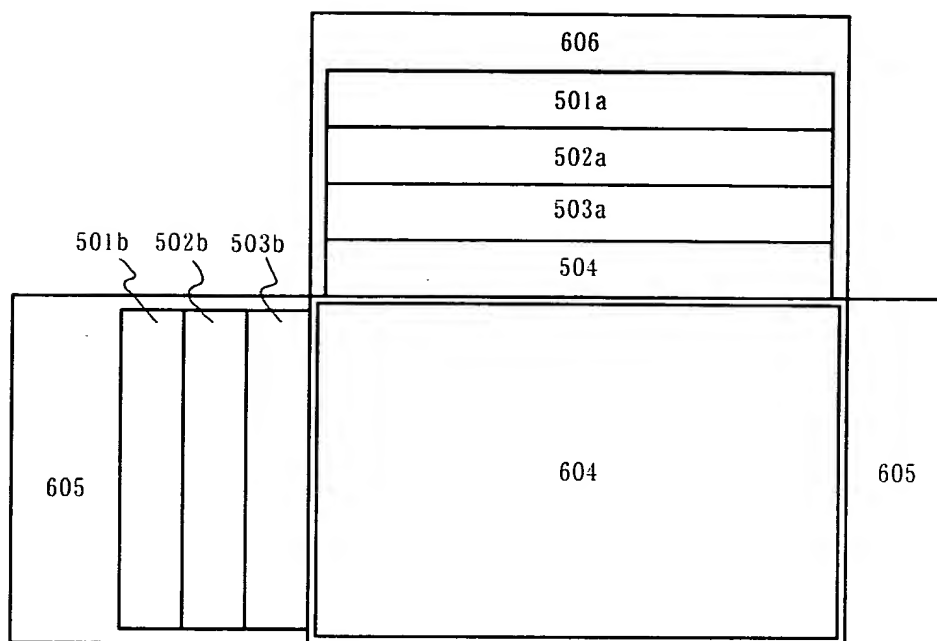


Fig.27

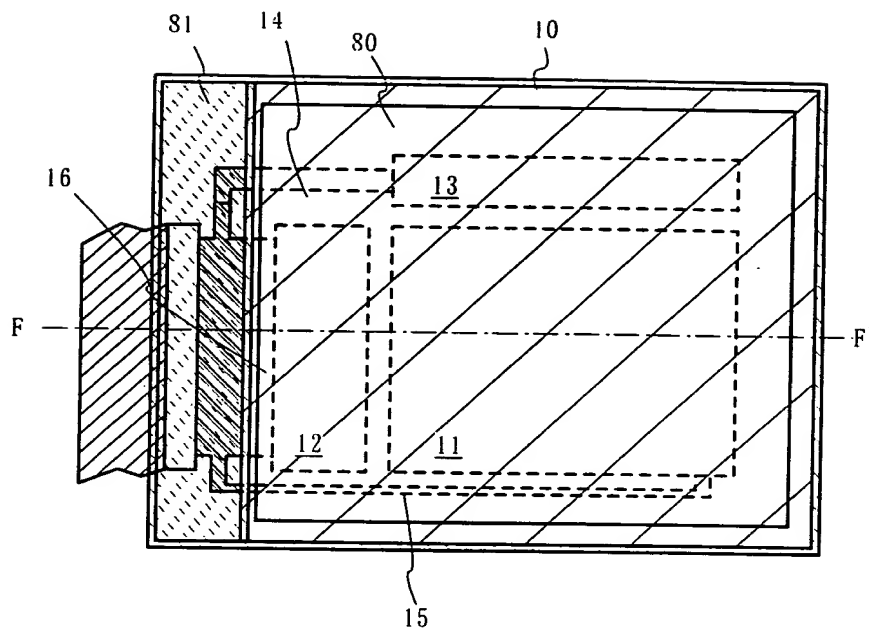


Fig. 28A

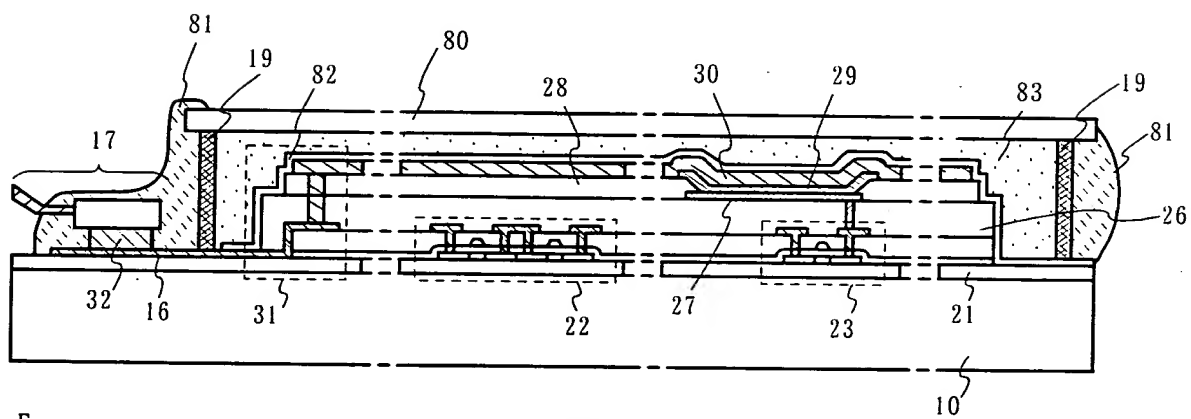


Fig. 28B

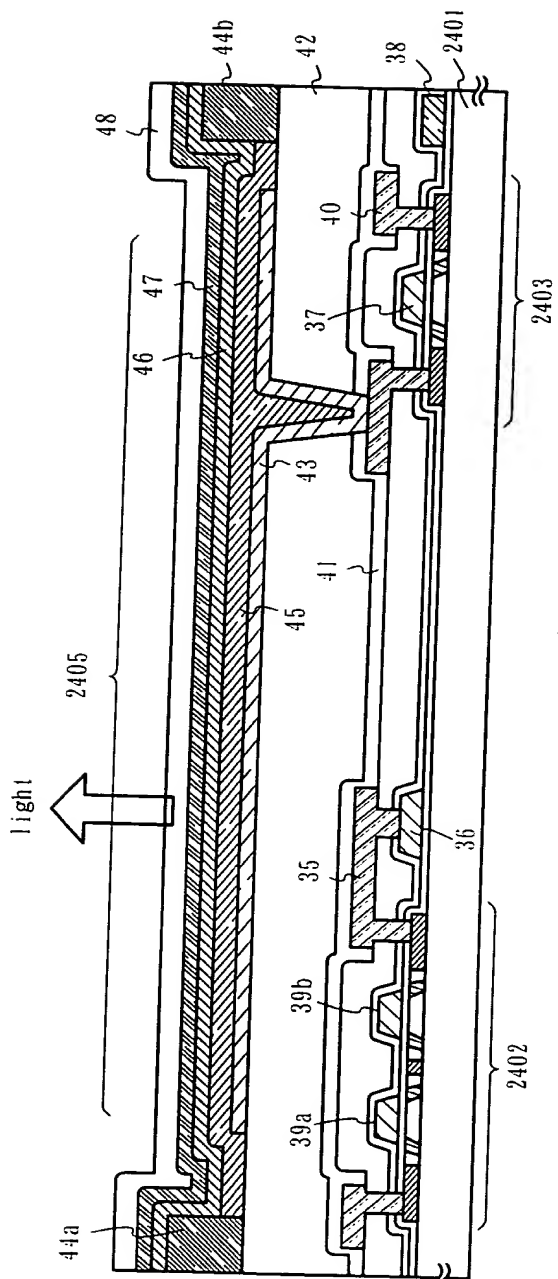


Fig. 29A

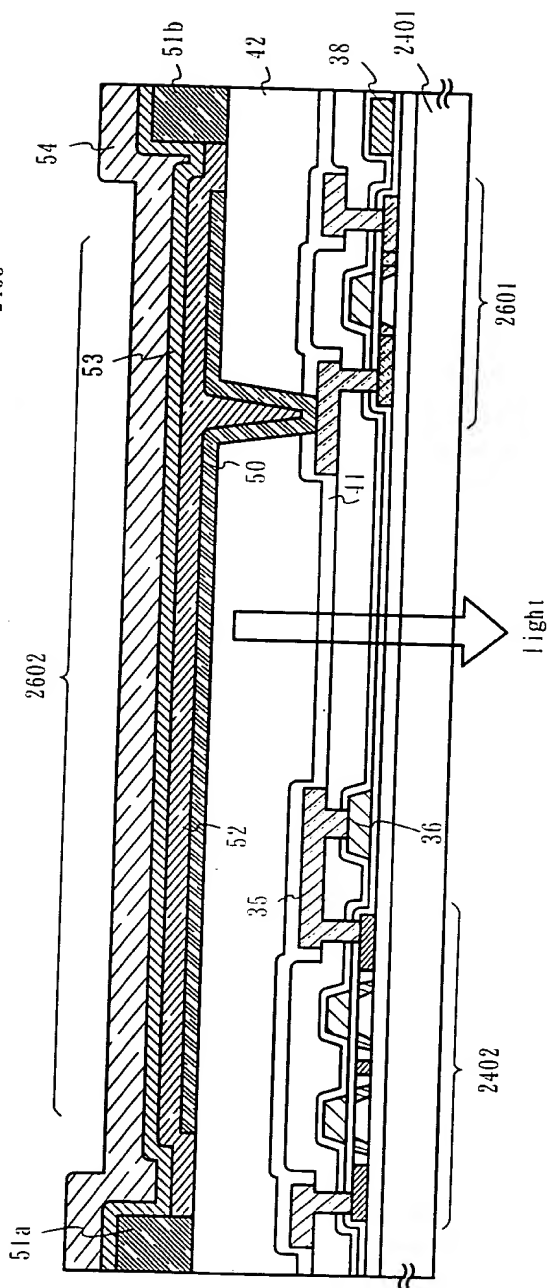


Fig. 29B

Fig.30A

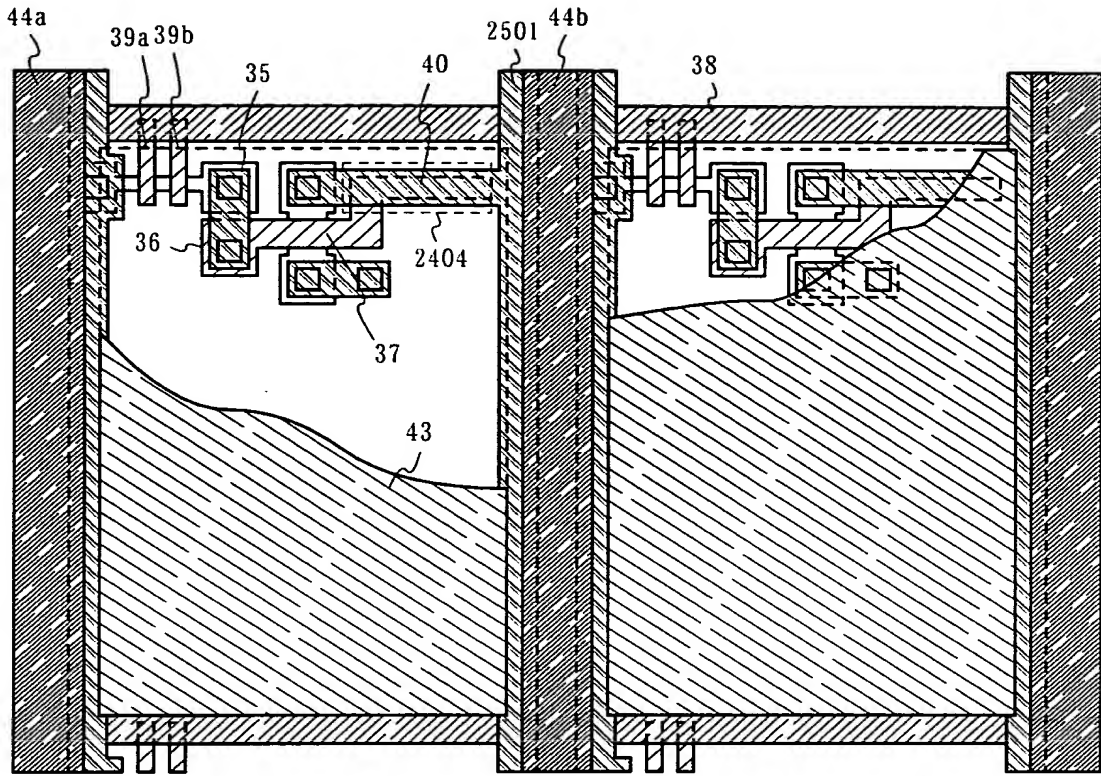
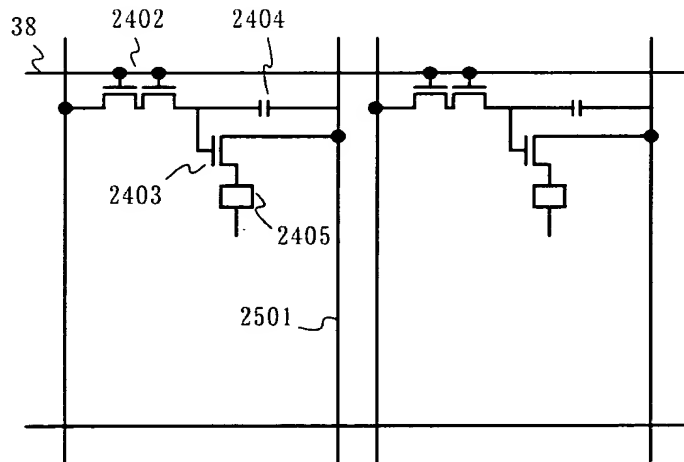


Fig.30B



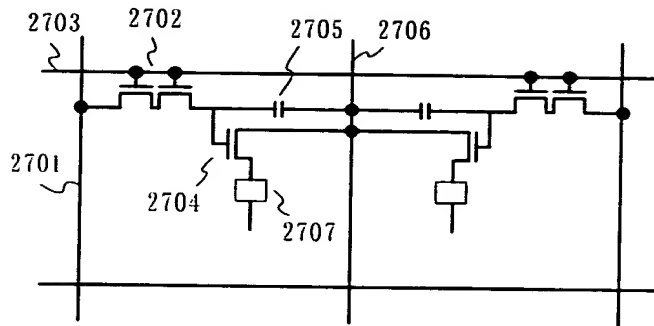


Fig.31A

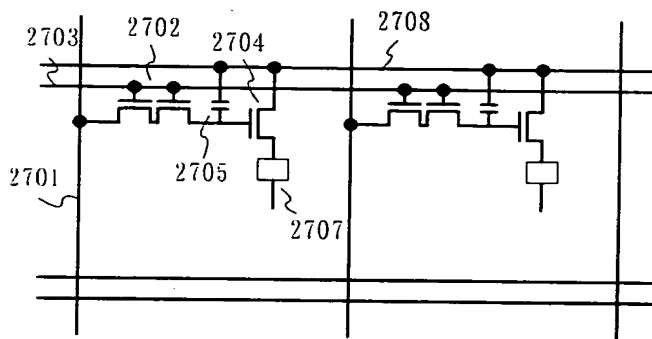


Fig.31B

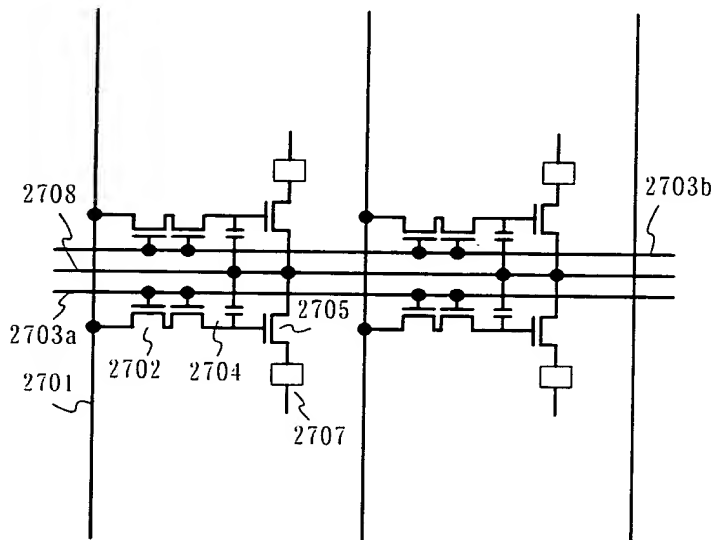


Fig.31C

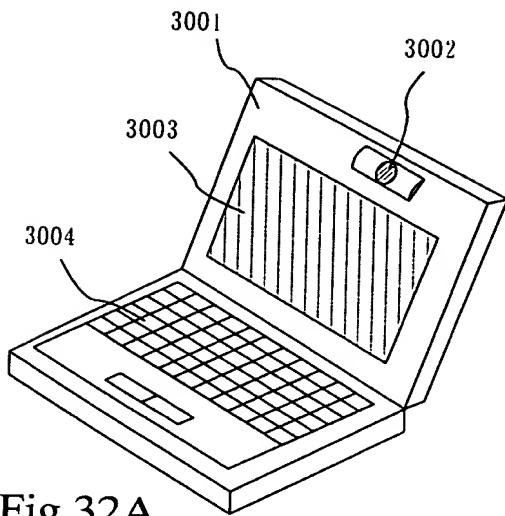


Fig.32A

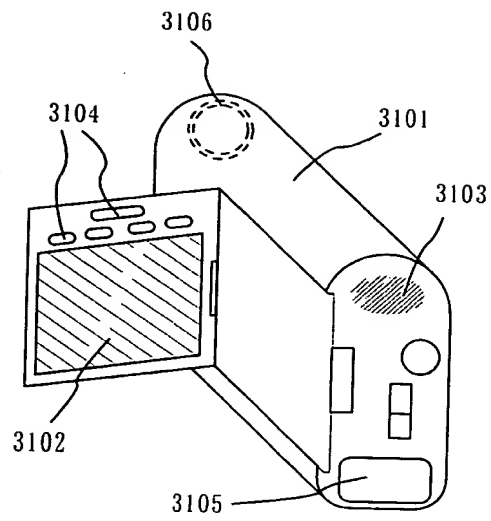


Fig.32B

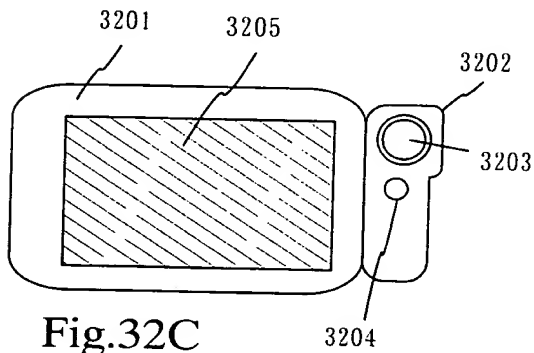


Fig.32C

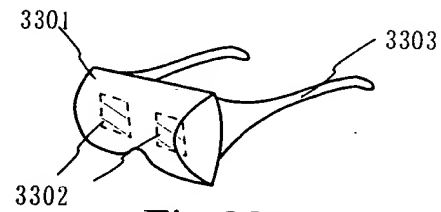


Fig.32D

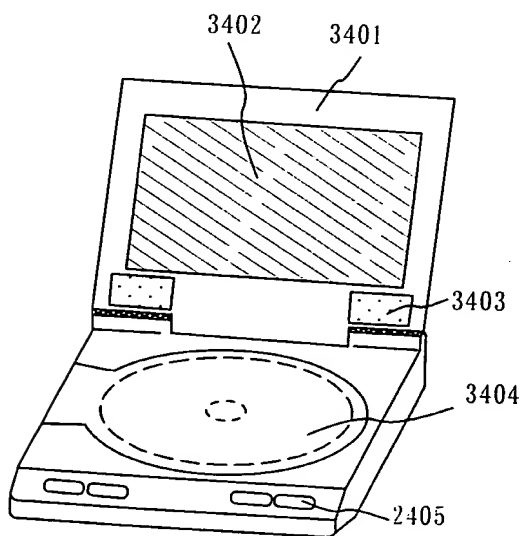


Fig.32E

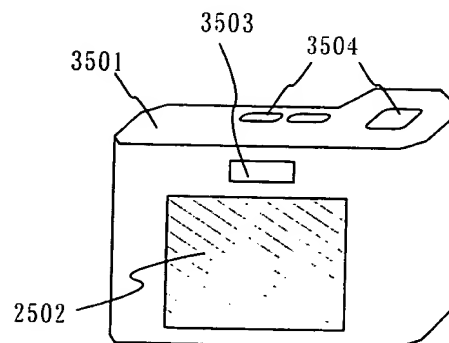


Fig.32F

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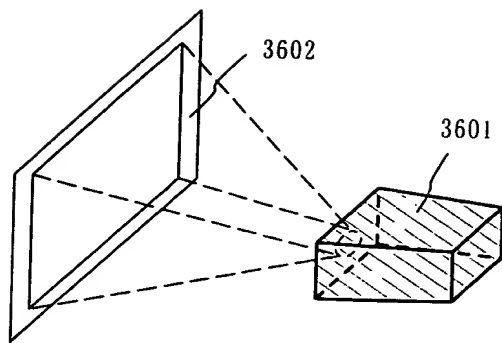


Fig.33A

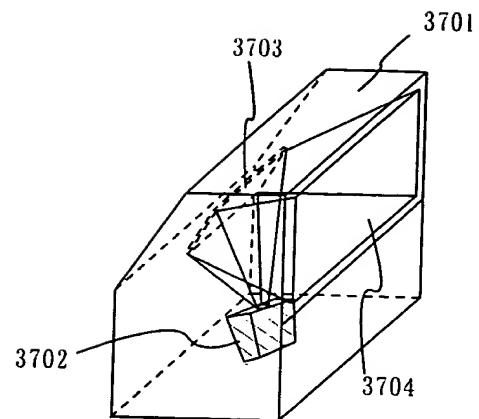


Fig.33B

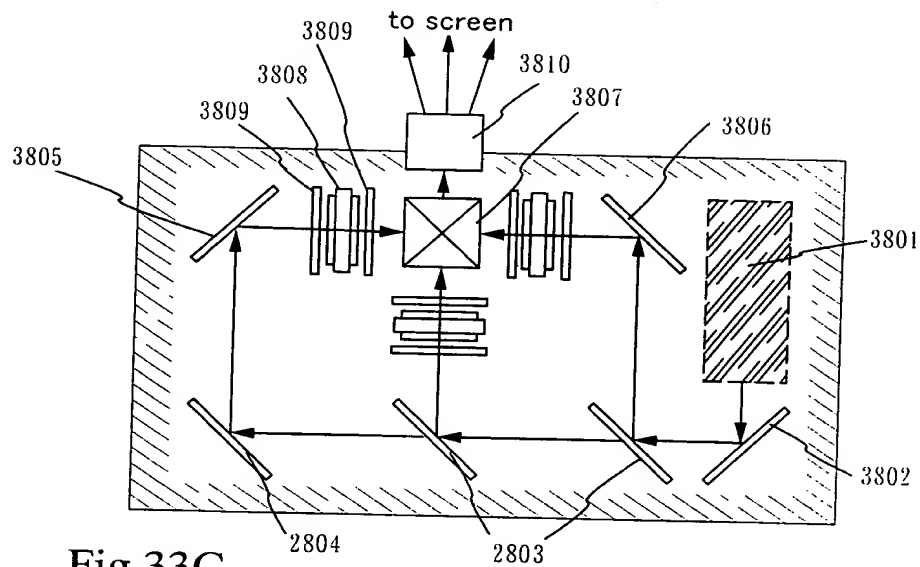


Fig.33C

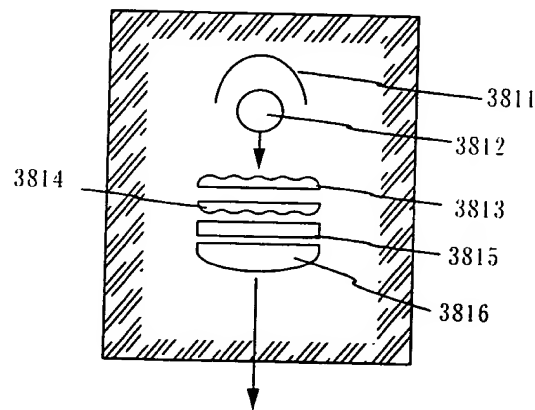


Fig.33D

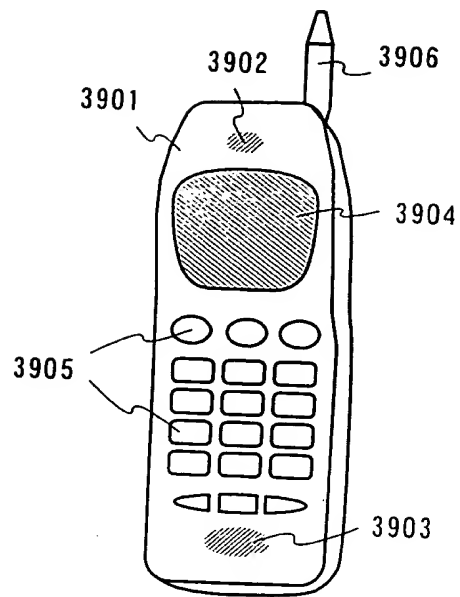


Fig.34A

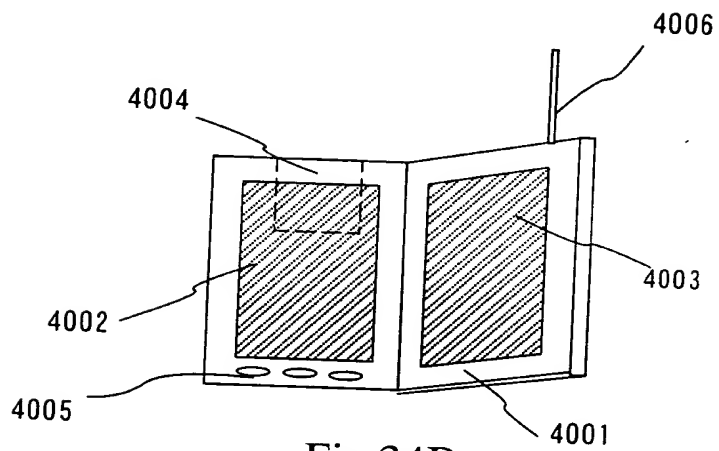


Fig.34B

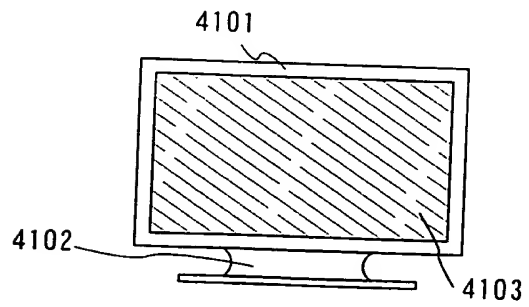


Fig.34C

Fig.35A

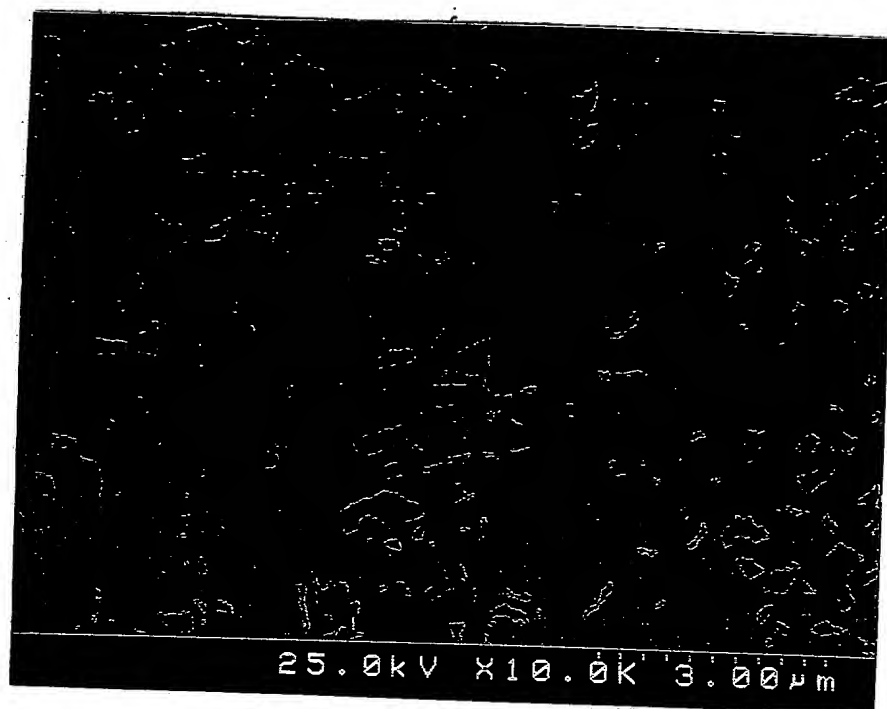


Fig.35B

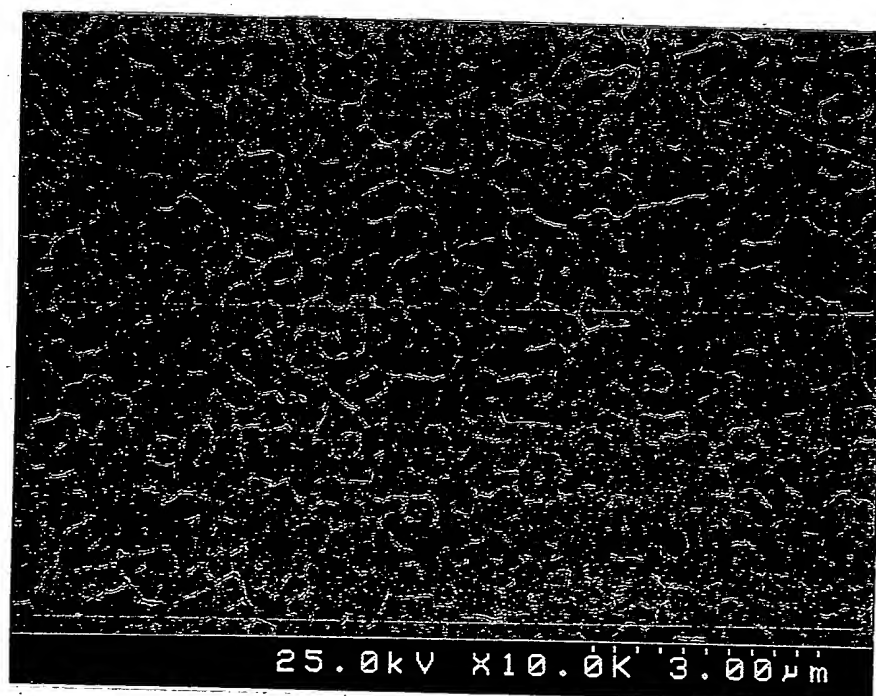


Fig.36A

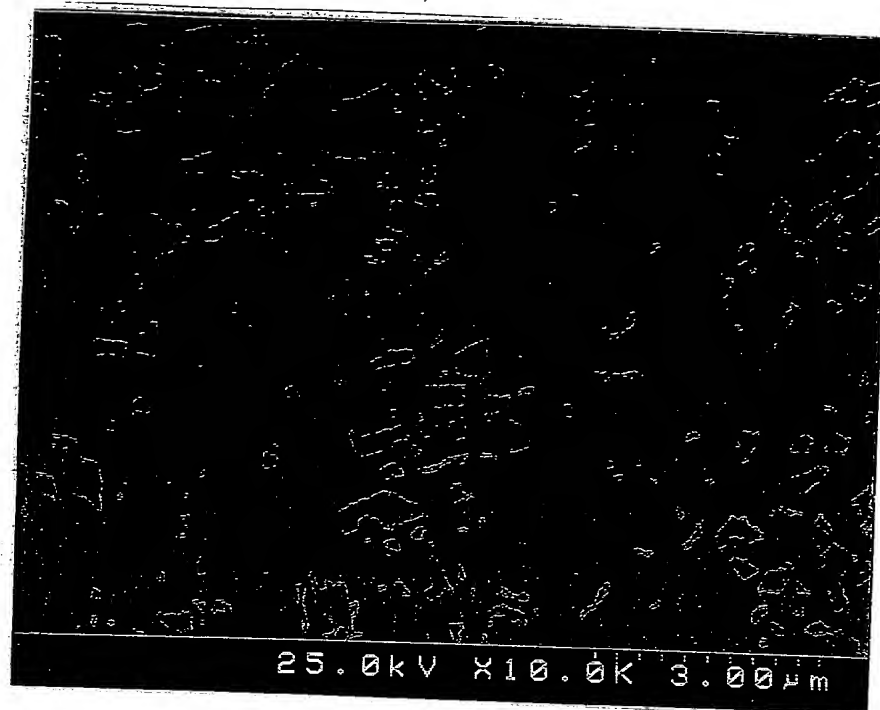


Fig.36B

